

**Dominion Exploration & Production, Inc.**  
**P.O. 1360**  
**Roosevelt, UT 84066**

August 21, 2003

Utah Division of Oil, Gas, & Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RE: APPLICATION FOR PERMIT TO DRILL  
HILL CREEK UNIT 13-27F  
NE/SW, SEC. 27, T10S, R20E  
UINTAH COUNTY, UTAH  
LEASE NO.: U-29784  
UTE INDIAN TRIBAL LANDS

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the above-referenced well.

All further communication regarding the permit for this well, including the 7-day letter, communication regarding approval, and the approved APD should be directed to:

Ed Trotter, Agent  
P.O. Box 1910  
Vernal, UT 84078  
Phone: (435)789-4120  
Fax: (435)789-1420

Sincerely,



Ed Trotter

Agent

**Dominion Exploration & Production, Inc.**

Attachments

RECEIVED

AUG 26 2003

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

001

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. U-29784	
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE		6. If Indian, Allottee or Tribe Name Ute Indian Tribe	
2. Name of Operator Dominion Exploration & Production, Inc.		7. If Unit or CA Agreement, Name and No. Hill Creek Unit	
3a. Address 14000 Quail Spgs Parkway, Okla. City, OK 73134		8. Lease Name and Well No. HCU 13-27F	
3b. Phone No. (include area code) 405-749-1300		9. API Number N3-047-35154	
4. Location of Well (Report location clearly and in accordance with any state requirements.) At surface 4419042Y 39, 91554 1615' FSL & 1880' FWL, NE/SW 614 775X At proposed prod. zone 415135X 109, 65289 750' FSL & 700' FWL, SW/SW 39.91321 - 109.65715		10. Field and Pool, or Exploratory Natural Buttes	
14. Distance in miles and direction from nearest town or post office* 16.7 miles South of Ouray		11. Sec., T., R., M., or Blk and Survey or Area 27-10S-20E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) 700'	16. No. of Acres in lease 640	17. Spacing Unit dedicated to this well 40	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1469'	19. Proposed Depth 8,000	20. BLM/BIA Bond No. on file 76S 63050 0330	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5171'	22. Approximate date work will start* 15-Jun-04	23. Estimated duration 45 days	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Carla Christian</i>	Name (Printed/Typed) Carla Christian	Date August 21, 2003
Title Regulatory Specialist		
Approved by (Signature) <i>Bradley G. Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 08-28-03
Title ENVIRONMENTAL SCIENTIST III		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

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AUG 26 2003

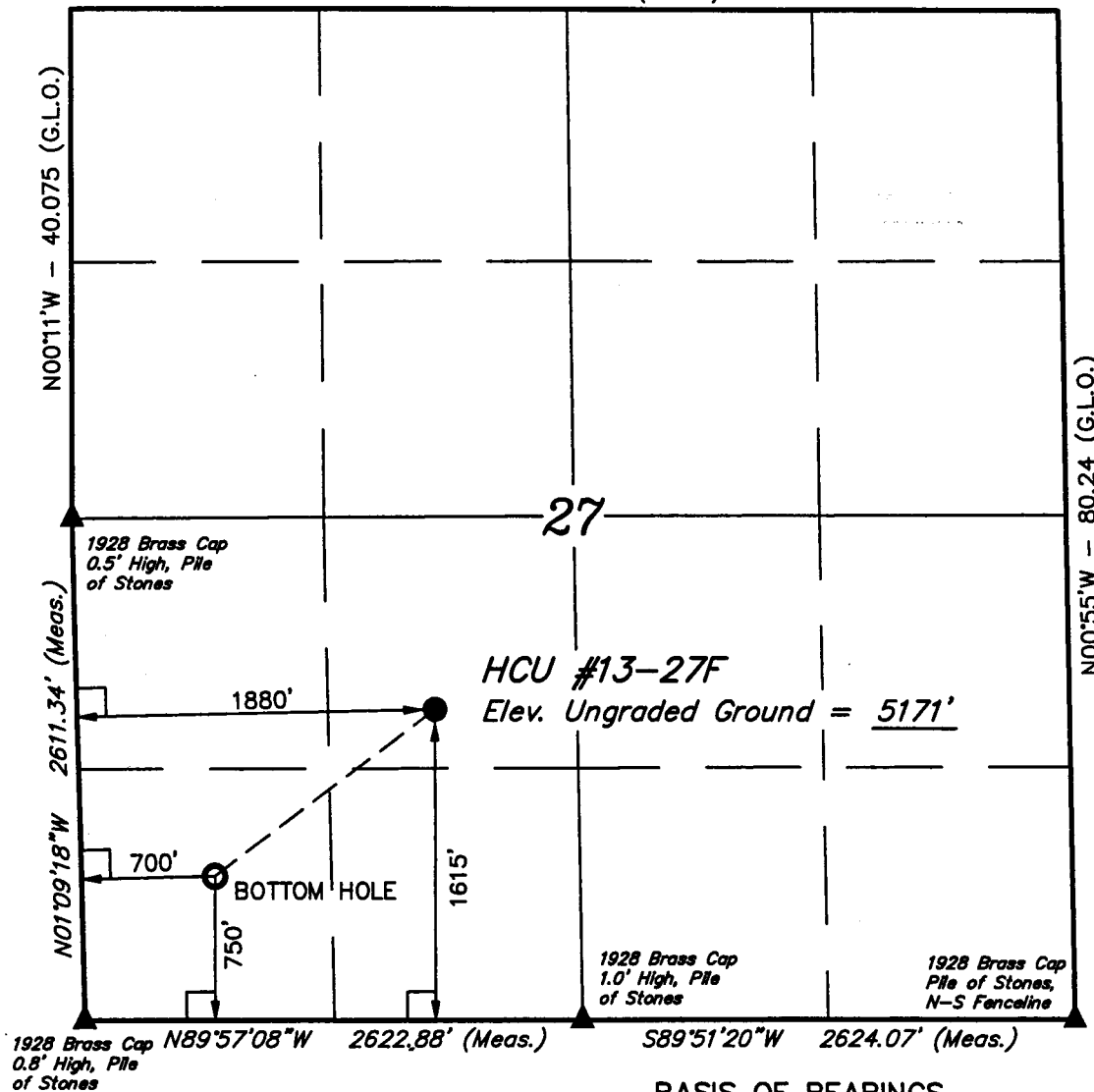
DIV. OF OIL, GAS & MINING

**T10S, R20E, S.L.B.&M.**

**DOMINION EXPLR. & PROD., INC.**

Well location, HCU #13-27F, located as shown in the NE 1/4 SW 1/4 of Section 27, T10S, R20E, S.L.B.&M. Uintah County Utah.

WEST - 79.83 (G.L.O.)



**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)

LATITUDE = 39°54'56.08" (39.915578)

LONGITUDE = 109°39'13.32" (109.653700)

**LEGEND:**

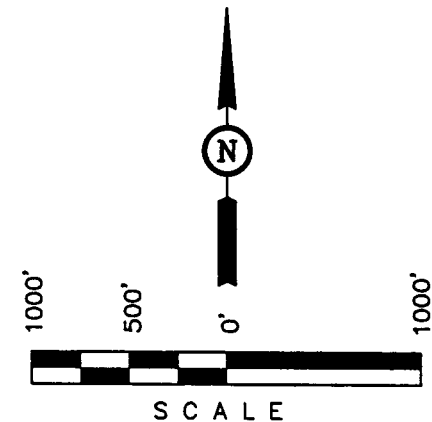
└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

**BASIS OF ELEVATION**

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert A. Hay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 16139  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-29-03	DATE DRAWN: 05-01-03
PARTY K.K. M.B. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE DOMINION EXPLR. & PROD., INC	

DRILLING PLANAPPROVAL OF OPERATIONS

## Attachment for Permit to Drill

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
 Oklahoma City, OK 73134  
**Well Location:** HCU 13-27F  
 SHL: 1615' FSL & 1880' FWL Section 27-10S-20E  
 BHL: 750' FSL & 700' FWL Section 27-10S-20E  
 Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Green River	925'
Wasatch Tongue	3,835'
Uteland Limestone	4,165'
Wasatch	4,325'
Chapita Wells	5,225'
Uteland Buttes	6,425'
Mesaverde	7,525'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Green River	925'	Oil
Wasatch Tongue	3,835'	Oil
Uteland Limestone	4,165'	Oil
Wasatch	4,325'	Gas
Chapita Wells	5,225'	Gas
Uteland Buttes	6,425'	Gas
Mesaverde	7,525'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	LTC	0'	2,800'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,000'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from intermediate casing to total depth. The blind rams will be tested once per day from intermediate casing to total depth if operations permit.

## DRILLING PLAN

### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling below the intermediate casing shoe. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' – 500'	8.4	Air foam mist, no pressure control
500' – 2,800'	8.6	Fresh water, rotating head and diverter
2,800' – 8,000'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a constant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 100' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H<sub>2</sub>S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this well will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

##### a. Surface Cement:

Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Poly-E-Flakes (volume includes 40% excess). Top out if necessary with Top Out cement listed below.

##### b. Intermediate Casing Cement:

- Drill 12-1/4" hole to 2,800'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug two joints off bottom e) bottom three joints thread locked f) pump job with bottom plug only.
- Cement to surface not required due to surface casing set deeper than normal.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume	Excess
Lead	300	0'-2,000'	11.0 ppg	3.82 CFS	658 CF	1,152 CF	75%
Tail	390	2,000'-2,800'	15.6 ppg	1.20 CFS	268 CF	469 CF	75%

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 3.82 cf/sack      Slurry weight: 11.00 #/gal.  
Water requirement: 22.95 gal/sack  
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 44.3% fresh water.  
Pump Time: 1 hr. 5 min. @ 90 °F.  
Compressives @ 95 °F: 24 Hour is 4,700 psi

##### c. Production Casing Cement:

- Drill 7-7/8" hole to 8,000'±, run and cement 5 1/2".
- Cement interface is at 3,700', which is typically 500'-1,000' above shallowest pay.
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 3% KCL.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume	Excess
Lead	90	3,700'-4,500'	11.5 ppg	3.12 CFS	139 CF	277 CF	100%
Tail	600	4,500'-8,000'	13.0 ppg	1.75 CFS	525 CF	1050 CF	100%

Note: Caliper will be run to determine exact cement volume.

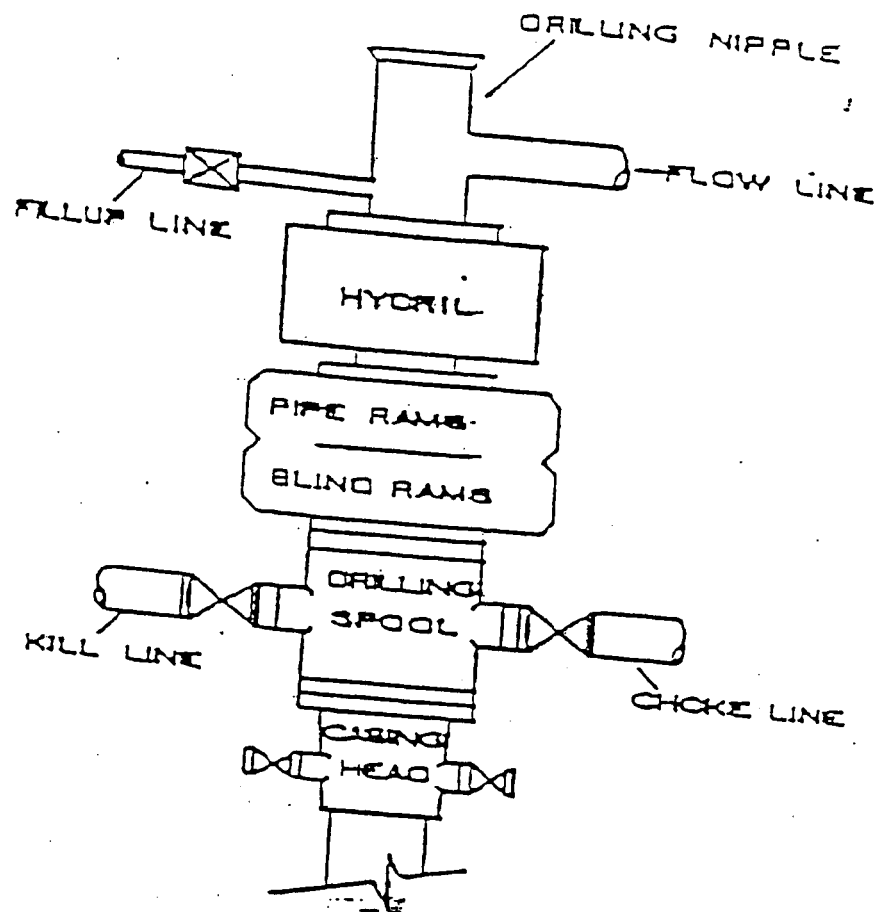
Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 3.12 cf/sack      Slurry weight: 11.60 #/gal.  
Water requirement: 17.71 gal/sack  
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
Slurry yield: 1.75 cf/sack      Slurry weight: 13.00 #/gal.  
Water requirement: 9.09 gal/sack  
Compressives @ 165°F: 905 psi after 24 hours

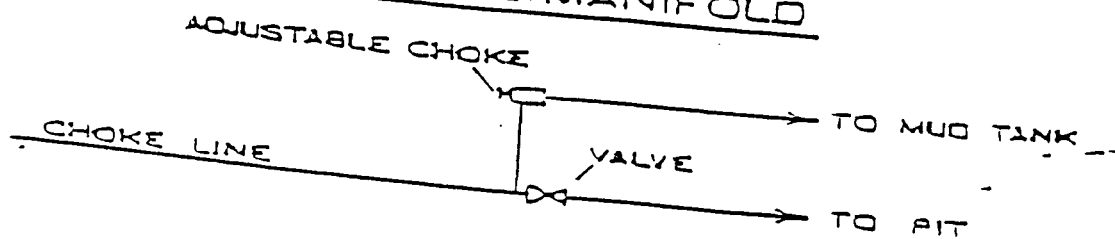
#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: June 15, 2004  
Duration: 14 Days

## BOP STACK



## CHOKER MANIFOLD

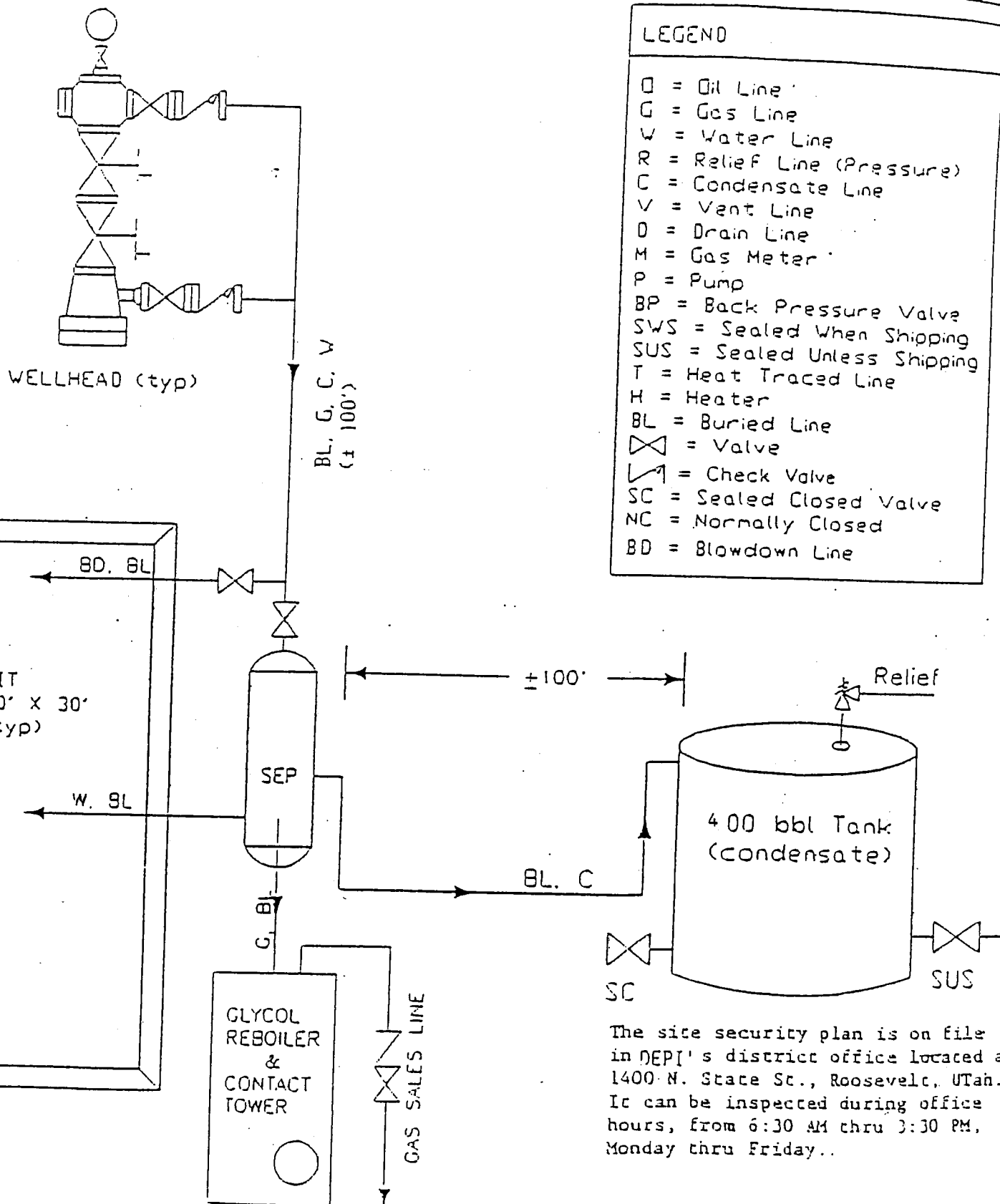


CONFIDENTIAL

# CONFIDENTIAL

## LEGEND

O = Oil Line  
 G = Gas Line  
 W = Water Line  
 R = Relief Line (Pressure)  
 C = Condensate Line  
 V = Vent Line  
 D = Drain Line  
 M = Gas Meter  
 P = Pump  
 BP = Back Pressure Valve  
 SWS = Sealed When Shipping  
 SUS = Sealed Unless Shipping  
 T = Heat Traced Line  
 H = Heater  
 BL = Buried Line  
 V = Valve  
 CV = Check Valve  
 SC = Sealed Closed Valve  
 NC = Normally Closed  
 BD = Blowdown Line



The site security plan is on file in NEPI's district office located at 1400 N. State St., Roosevelt, Utah. It can be inspected during office hours, from 6:30 AM thru 3:30 PM, Monday thru Friday..

DOMINION EXPLORATION & PRODUCTION, INC.

RIVER BEND FIELD, UTAH COUNTY

not to scale



**DOMINION EXPLR. & PROD., INC.**

**HCU #11-27F & #13-27F**

**SECTION 27, T10S, R20E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 13.5 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 3.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 47.9 MILES.

**CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Dominion Exploration & Production, Inc.  
Well Name & Number: HillCreek Unit 13-27F  
Lease Number: U-29784  
Location: 1615' FSL & 1880' FWL (Surface Hole)  
750' FSL & 700' FWL (Bottom Hole)  
*Surface* ~~NE~~ NE/SW, Sec. 27, T10S, R20E,  
S.L.B.&M., Uintah County, Utah  
Surface Ownership: Ute Indian Tribe

**NOTIFICATION REQUIREMENTS**

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice: - at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.

First Production Notice - within five (5) business days after new Well begins or production resumes after Well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## **SURFACE USE PROGRAM**

### **1. EXISTING ROADS**

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 16.7 miles south of Ouray, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

### **2. PLANNED ACCESS ROAD**

- A. The access road will be approximately 0.2 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/ 18 foot running surface.
- C. Maximum grade on access road will be 8%.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of-Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent

intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Dominion Exploration & Production, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. **LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION**

- A. Abandoned wells – 1\*
  - B. Producing wells - 6\*
- (\*See attached TOPO map “C” for location)

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

A. **ON WELL PAD**

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, separator and dehy units with meter, 400 barrel vertical condensate tank, and attaching piping.
- 2. Gas gathering lines - A 4” gathering line will be buried from dehy to the edge of the location.
- 3. Surface pits – After the well is hydraulically fraced, it will be flowed back into the surface pits. After first production, a 400 barrel tank will be installed to contain produced waste water.

B. **OFF WELL PAD**

- 1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
- 2. A 4” OD steel above ground natural gas pipeline will be laid approximately 1300’ from proposed location to a point in the SW/SE of Section 27, T10S, R20E, where it will tie into Questar Pipeline Co.’s existing line. Proposed pipeline crosses Ute Indian Tribe lands within the Hill Creek Unit, thus a Right-of -Way grant will be required.
- 3. Proposed pipeline will be a 4” OD steel, welded line laid on the surface.
- 4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike

of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery.

The production facilities will be placed on the Northwest end of the location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is Desert Brown.

**5. LOCATION & TYPE OF WATER SUPPLY**

- A. Water source will be from Water Permit No. 43-10447 located in Sec. 9, T8S, R20E, Uintah County, Utah.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

**6. SOURCE OF CONSTRUCTION MATERIAL**

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of the location.
- B. All construction material will come from Tribal Land.
- C. No mineral materials will be required.

**7. METHODS OF HANDLING WASTE DISPOSAL**

**A. METHODS AND LOCATION**

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 4. Produced wastewater will be confined to a lined or unlined pit or storage tank for a period not to exceed 90 days after initial production. After the 90-day period, the produced water will be contained in a tank on location and then disposed of at Ace Disposal, MCMC Disposal or Dominion's RBU 16-19F Disposal Well.

5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

**On Ute Indian Tribe administered land:**

The reserve pit will be constructed so as not to leak, break, or allow discharge. If the reserve pit requires padding prior to lining (due to rocky conditions) felt padding will be used.

**8. HAZARDOUS CHEMICALS:**

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

**9. ANCILLARY FACILITIES**

- A. No airstrips or camps are planned for this well.

**10. WELLSITE LAYOUT**

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on South side of the location. The flare pit will be located downwind of the prevailing wind direction on the West side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled location topsoil will be stored around Corner #6 and from Corner #4 to the Access road.

Access to the well pad will be from the Southeast.

Corner #8 will be rounded off to minimize excavation.

## 11. **FENCING REQUIREMENTS:**

All pits will be fenced according to the following minimum standards:

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

## 12. **PLANS FOR RESTORATION OF SURFACE**

### A. **PRODUCING LOCATION**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours.

The reserve pit will be reclaimed within 12 months from the date of well completion. Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

### B. **DRY HOLE/ABANDONED LOCATION**

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BIA will attach the appropriate surface rehabilitation conditions of approval.

**13. SURFACE OWNERSHIP**

Access road: Tribal

Location: Tribal

**14. OTHER INFORMATION**

A. Dominion Exploration & Production, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;

- the mitigation measures the operator will likely have to undertake before the site can be used.

- a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs.

The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

B. As operator, Dominion Exploration & Production, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BIA, or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make



arrangements for permanent storage on commercial facilities. (The BIA does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

**Additional Surface Stipulations**

None

**LESSEE'S OR OPERATOR'S REPRESENTATIVE**

---

**CONTACTS:**

**OPERATIONS**

Mitchiel Hall  
P.O. Box 1360  
Roosevelt, UT 84066  
Telephone: (435) 722-4521  
Fax : (435) 722-5004

**PERMITTING**

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Telephone: (435) 789-4120  
Fax: (435) 789-1420

All lease or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Dominion Exploration & Production, Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

**CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date 8-21-2003

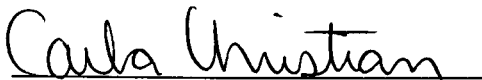
  
Ed Trotter, Agent

Dominion Exploration & Production, Inc.

## SELF-CERTIFICATION STATEMENT

Under Federal regulation, effective June 15, 1988, designation of operator forms are no longer required when the operator is not the 100% record title holder. An operator is now required to submit a self-certification statement to the appropriate office stating that said operator has the right to operate upon the leasehold premises. Said notification may be in the following format:

Please be advised that **Dominion Exploration & Production, Inc.** is considered to be the operator of **Well No. 13-27F, Surface location** in the NE  $\frac{1}{4}$  SW  $\frac{1}{4}$  of **Section 27, T10S, R20E in Uintah County; Bottom hole location** SW  $\frac{1}{4}$  SW  $\frac{1}{4}$  of **Section 27, T10S, R20E; Lease No. U-29784;** and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Travelers Casualty and Surety Company of America, Bond #76S 63050 0330.



Carla Christian  
Regulatory Specialist

# DOMINION EXPLR. & PROD., INC.

HCU #11-27F & #13-27F  
LOCATED IN UINTAH COUNTY, UTAH  
SECTION 27, T10S, R20E, S.L.B.&M.

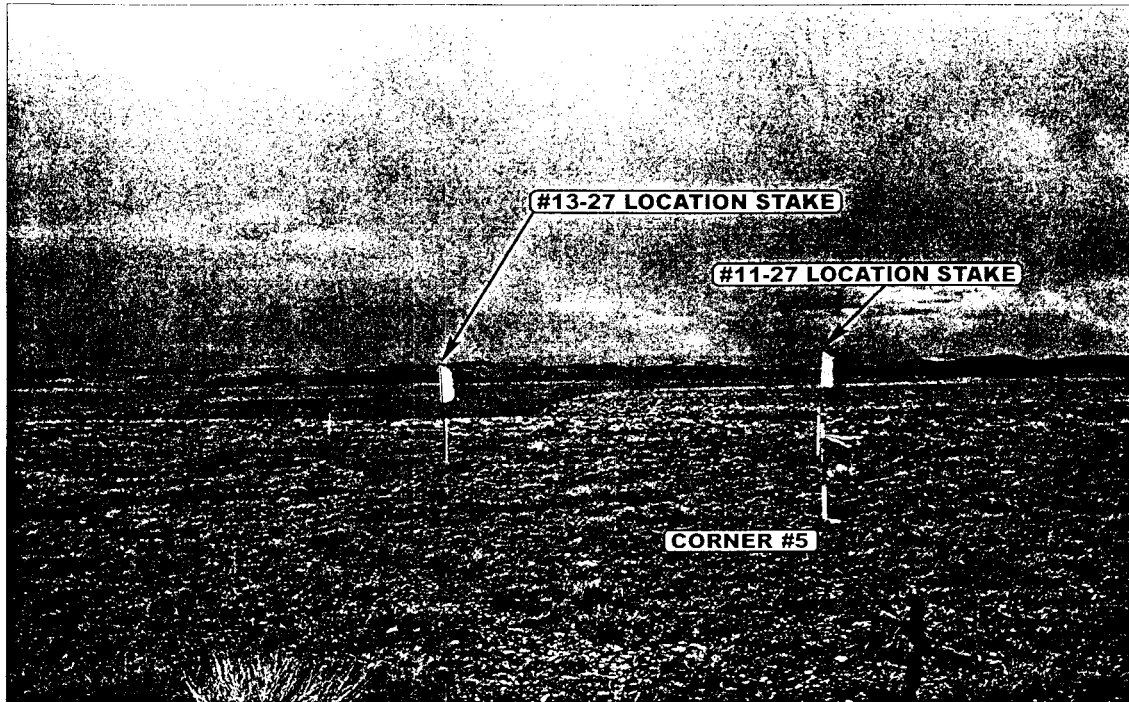


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

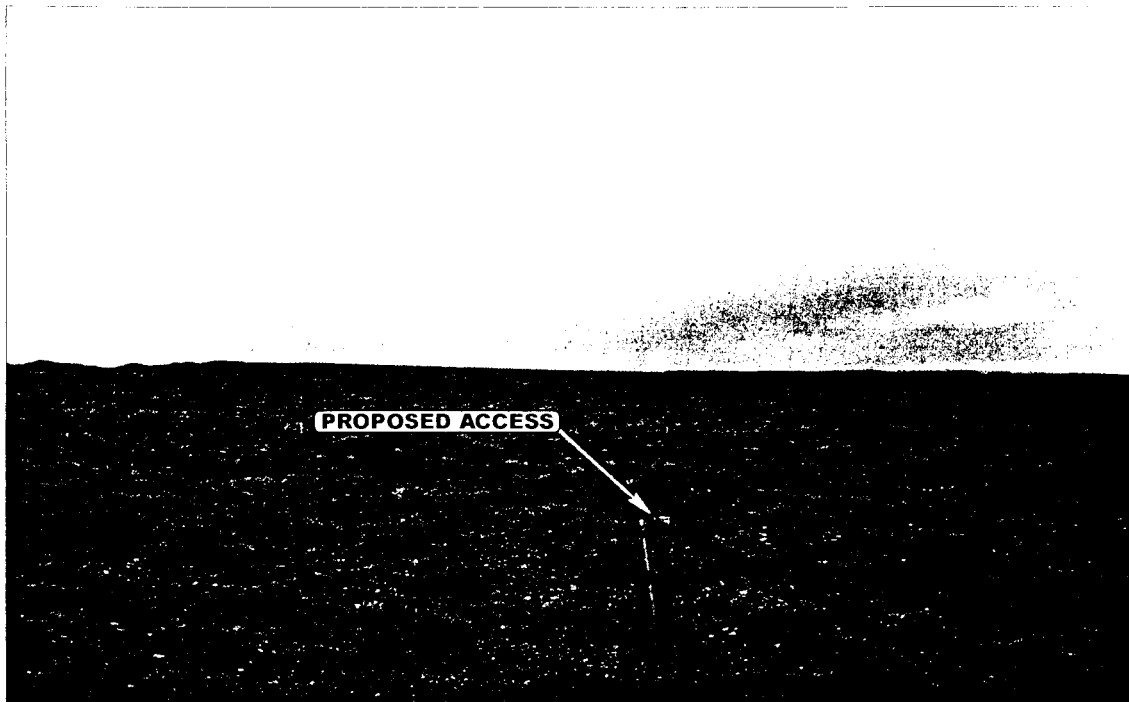


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

5  
MONTH

1  
DAY

03  
YEAR

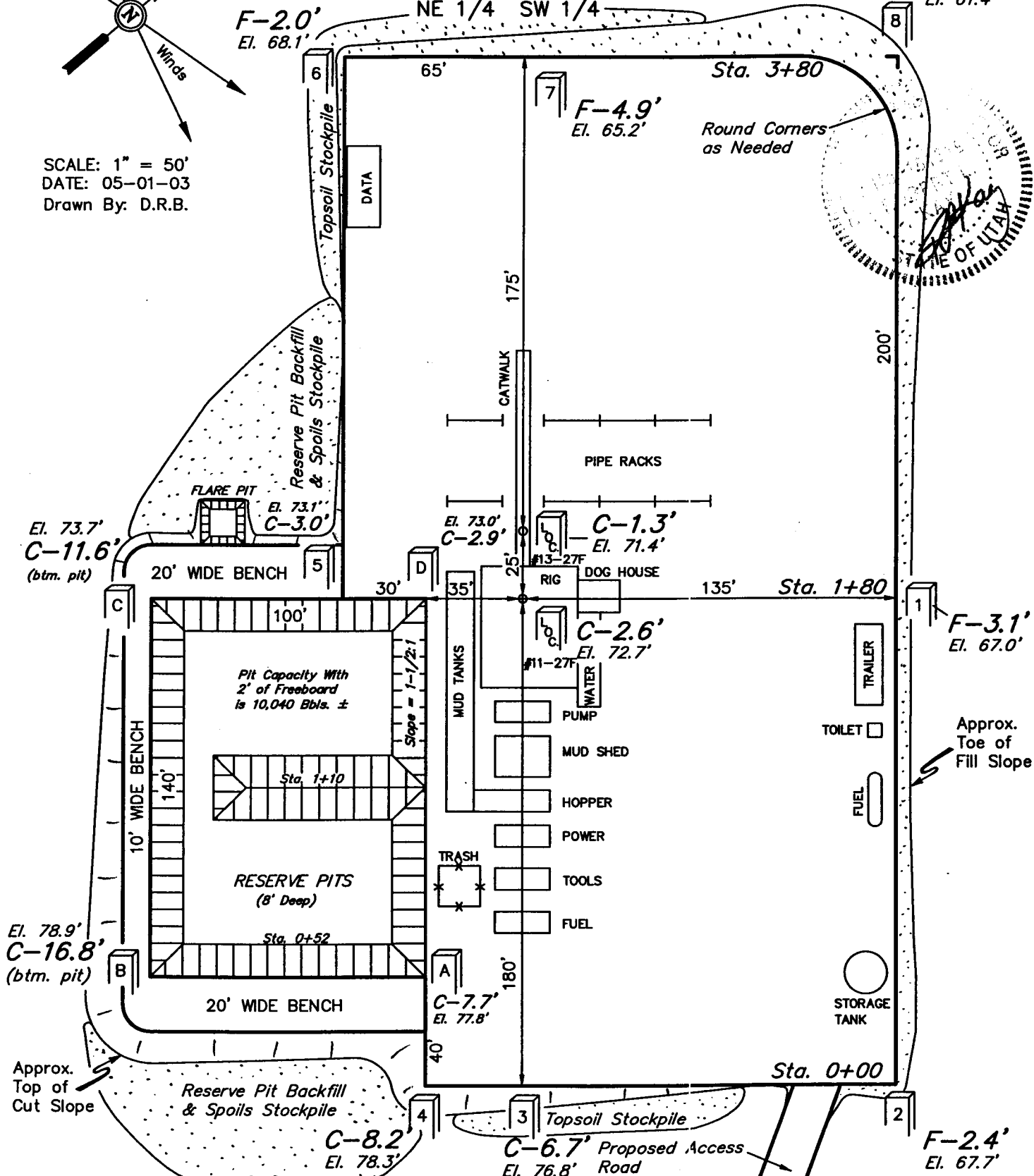
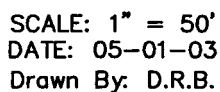
PHOTO

TAKEN BY: K.K.

DRAWN BY: J.L.G.

REVISED: 00-00-00

**F-8.7'**  
**El. 61.4'**



Elev. Ungraded Ground at #11-27F Location Stake = 5172.7'  
Elev. Graded Ground at #11-27F Location Stake = 5170.1'

**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

# DOMINION EXPLR. & PROD., INC.

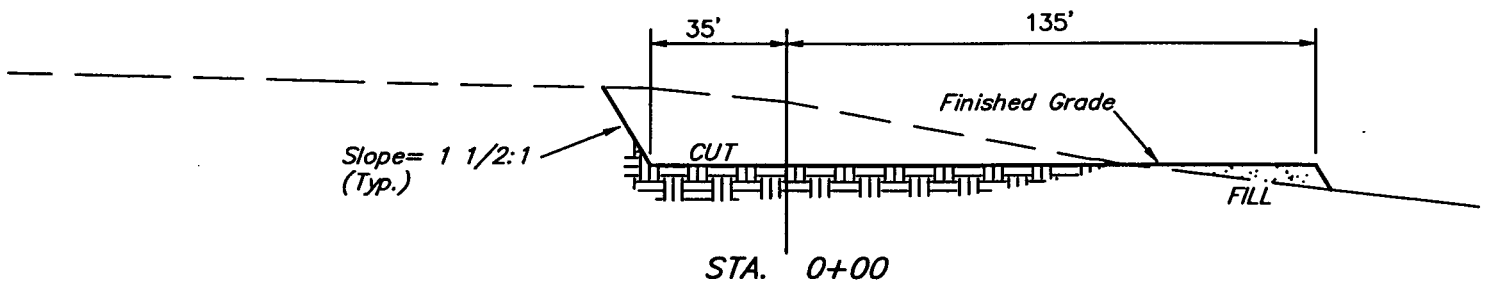
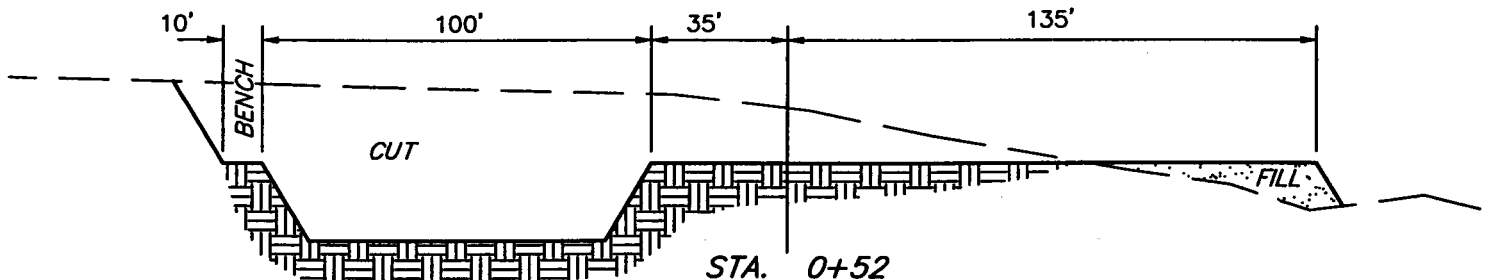
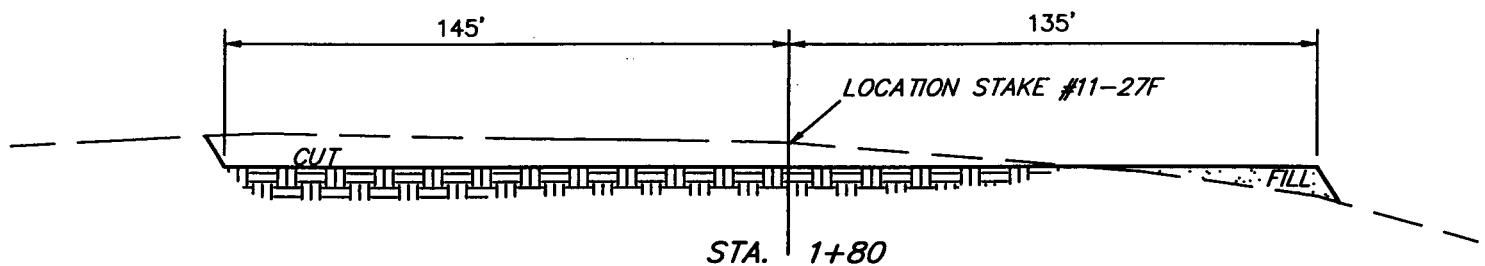
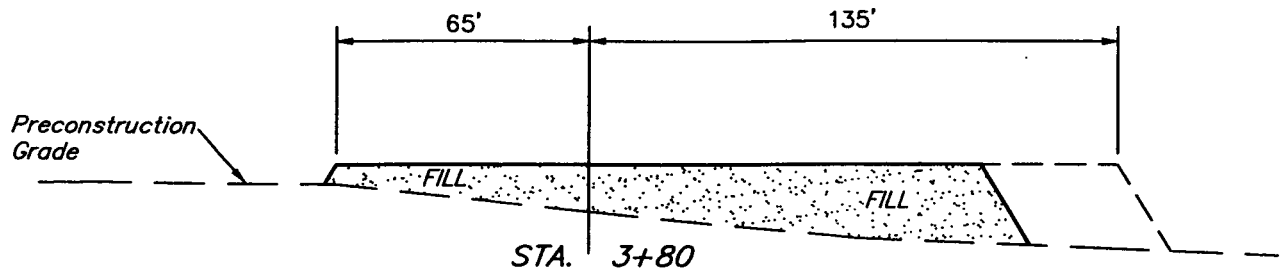
## TYPICAL CROSS SECTIONS FOR

HCU #11-27F & #13-27F  
SECTION 27, T10S, R20E, S.L.B.&M.  
NE 1/4 SW 1/4



1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 05-01-03  
Drawn By: D.R.B.

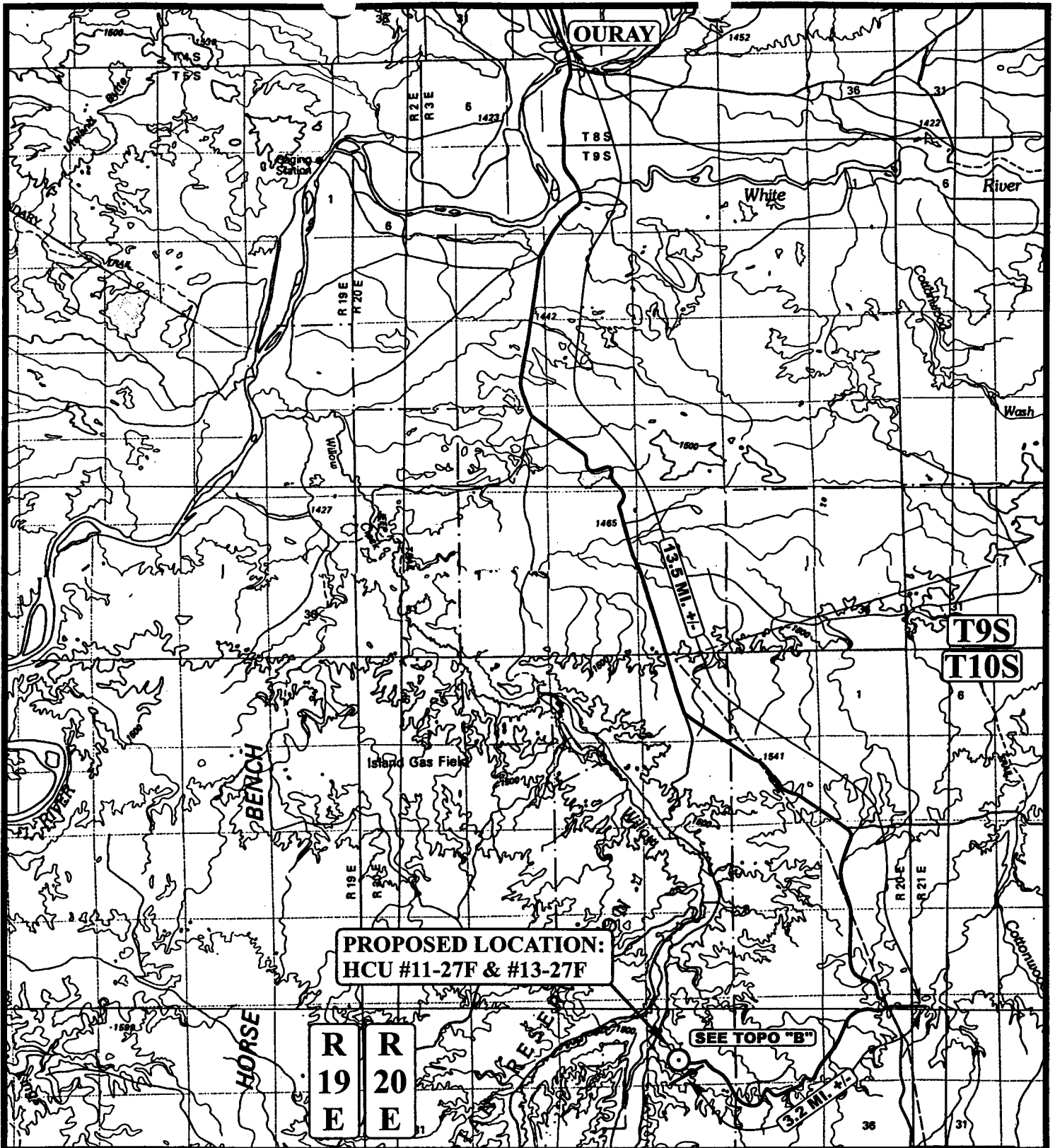


### APPROXIMATE YARDAGES

CUT  
(12") Topsoil Stripping = 3,230 Cu. Yds.  
Remaining Location = 9,110 Cu. Yds.  
TOTAL CUT = 12,340 CU.YDS.  
FILL = 7,200 CU.YDS.

EXCESS MATERIAL AFTER  
5% COMPACTION = 4,760 Cu. Yds.  
Topsoil & Pit Backfill  
(1/2 Pit Vol.) = 4,760 Cu. Yds.  
EXCESS UNBALANCE = 0 Cu. Yds.  
(After Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



# **LEGEND:**

⊙ PROPOSED LOCATION



## **DOMINION EXPLR. & PROD., INC.**

HCU #11-27F & #13-27F  
SECTION 27, T10S, R20E, S.L.B.&M.  
NE 1/4 SW 1/4



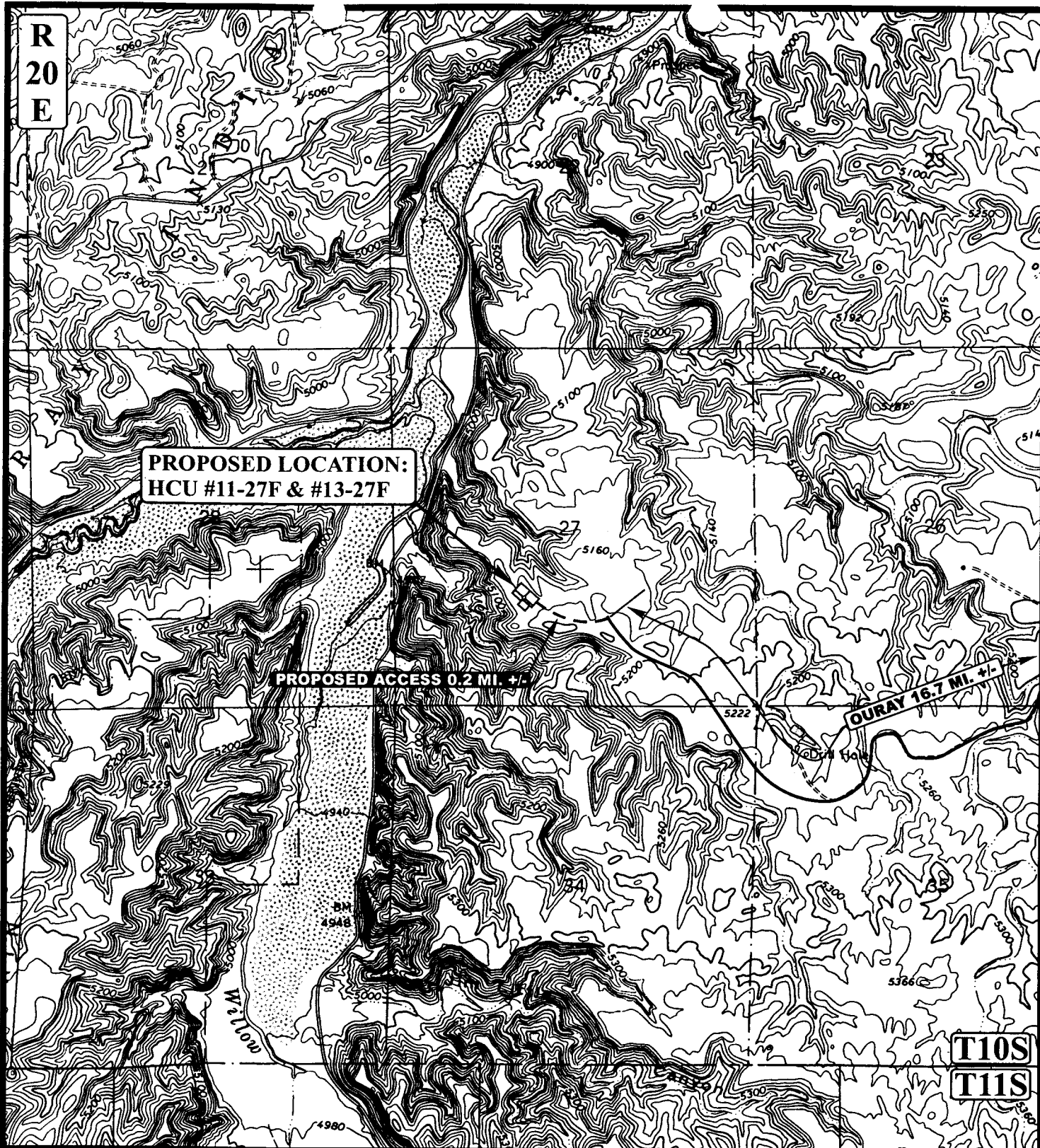
Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

5 1 03  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: J.L.G. REVISED: 00-00-00

**A**  
TOPO



# **LEGEND:**

————— EXISTING ROAD  
 - - - - - PROPOSED ACCESS ROAD

## **DOMINION EXPLR. & PROD., INC.**

HCU #11-27F & #13-27F  
 SECTION 27, T10S, R20E, S.L.B.&M.  
 NE 1/4 SW 1/4



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



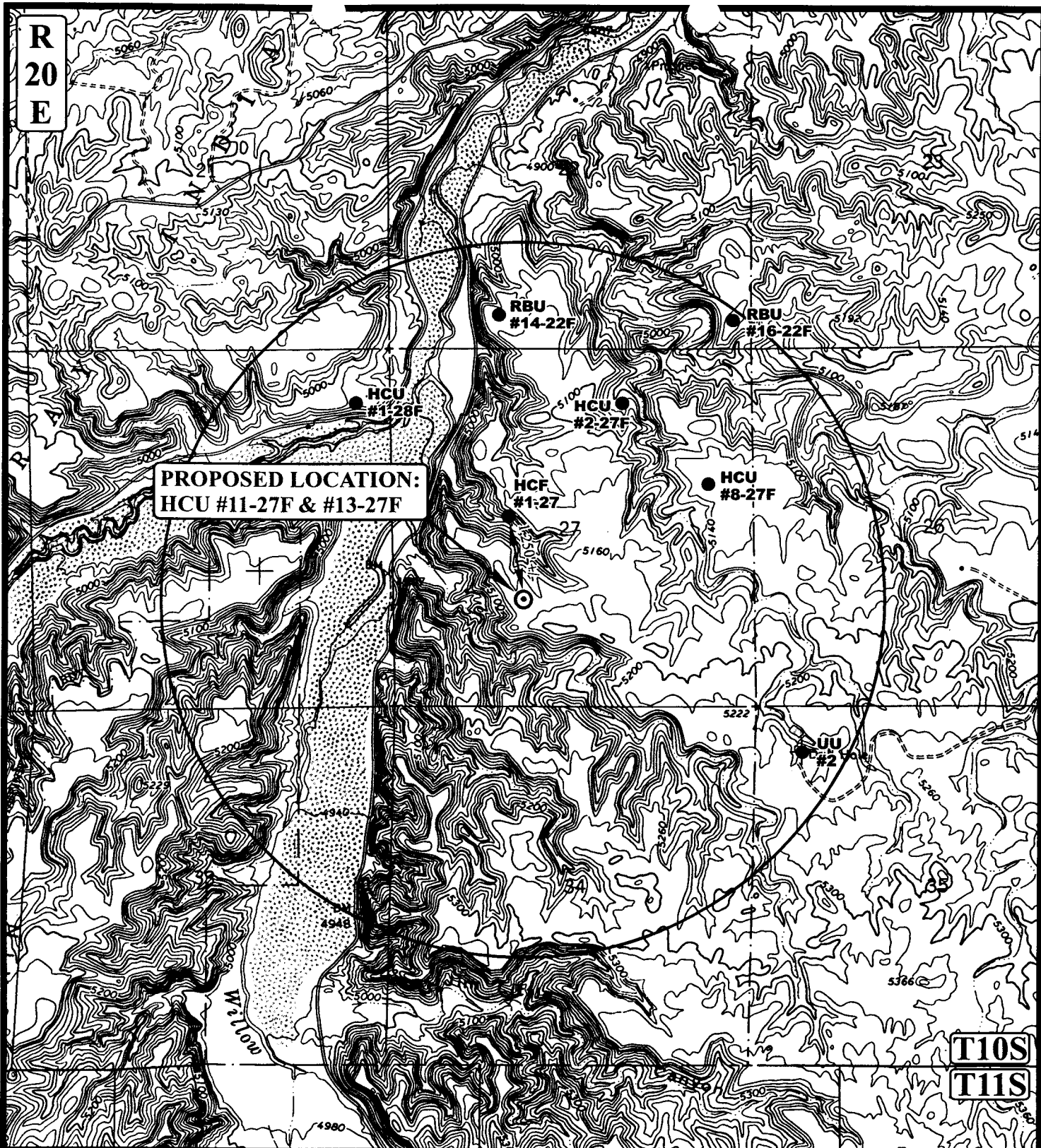
**TOPOGRAPHIC  
 MAP**

**5 1 03**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00

**B  
 TOPO**





# LEGEND:

- Ø DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ♂ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

## DOMINION EXPLR. & PROD., INC.

HCU #11-27F & #13-27F  
SECTION 27, T10S, R20E, S.L.B.&M.  
NE 1/4 SW 1/4



Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



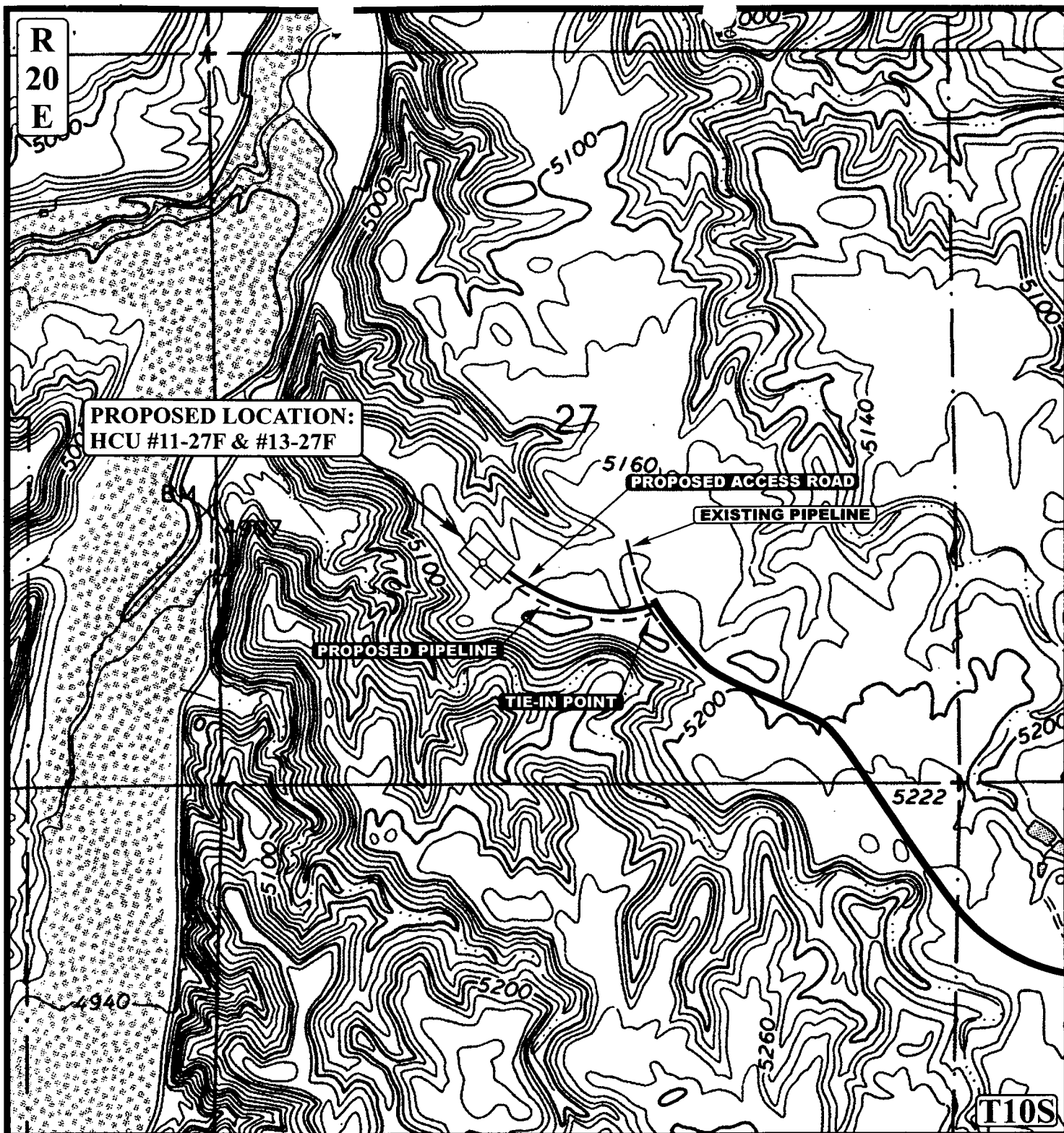
TOPOGRAPHIC  
MAP

5 1 03  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00







APPROXIMATE TOTAL PIPELINE DISTANCE = 1300' +/-

**LEGEND:**

- — — — — EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- — — — — PROPOSED ACCESS

**DOMINION EXPLR. & PROD., INC.**

HCU #11-27F & #13-27F  
SECTION 27, T10S, R20E, S.L.B.&M.  
NE 1/4 SW 1/4



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



TOPOGRAPHIC  
MAP

5	1	03
MONTH	DAY	YEAR

SCALE: 1" = 1000' DRAWN BY: J.L.G. REVISED: 00-00-00

**D**  
TOPO

006

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/26/2003

API NO. ASSIGNED: 43-047-35154

WELL NAME: HCU 13-27F

OPERATOR: DOMINION EXPL &amp; PROD ( N1095 )

CONTACT: CARLA CHRISTIAN

PHONE NUMBER: 405-749-1300

## PROPOSED LOCATION:

NESW 27 100S 200E

☒ SURFACE: 1615 FSL 1880 FWL  
 SW SW BOTTOM: 0750 FSL 0700 FWL

UINTAH

NATURAL BUTTES ( 630 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: U-29784

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: MVRD

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 39.91554

LONGITUDE: 109.65289

## RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
 (No. 76S630500330 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
 (No. 43-10447 )  
☒ RDCC Review (Y/N)  
 (Date: )  
☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

R649-2-3.

Unit HILL CREEK

R649-3-2. General

Siting: 460 From Qtr/Qtr &amp; 920' Between Wells

R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 197-11

Eff Date: 8-17-2002

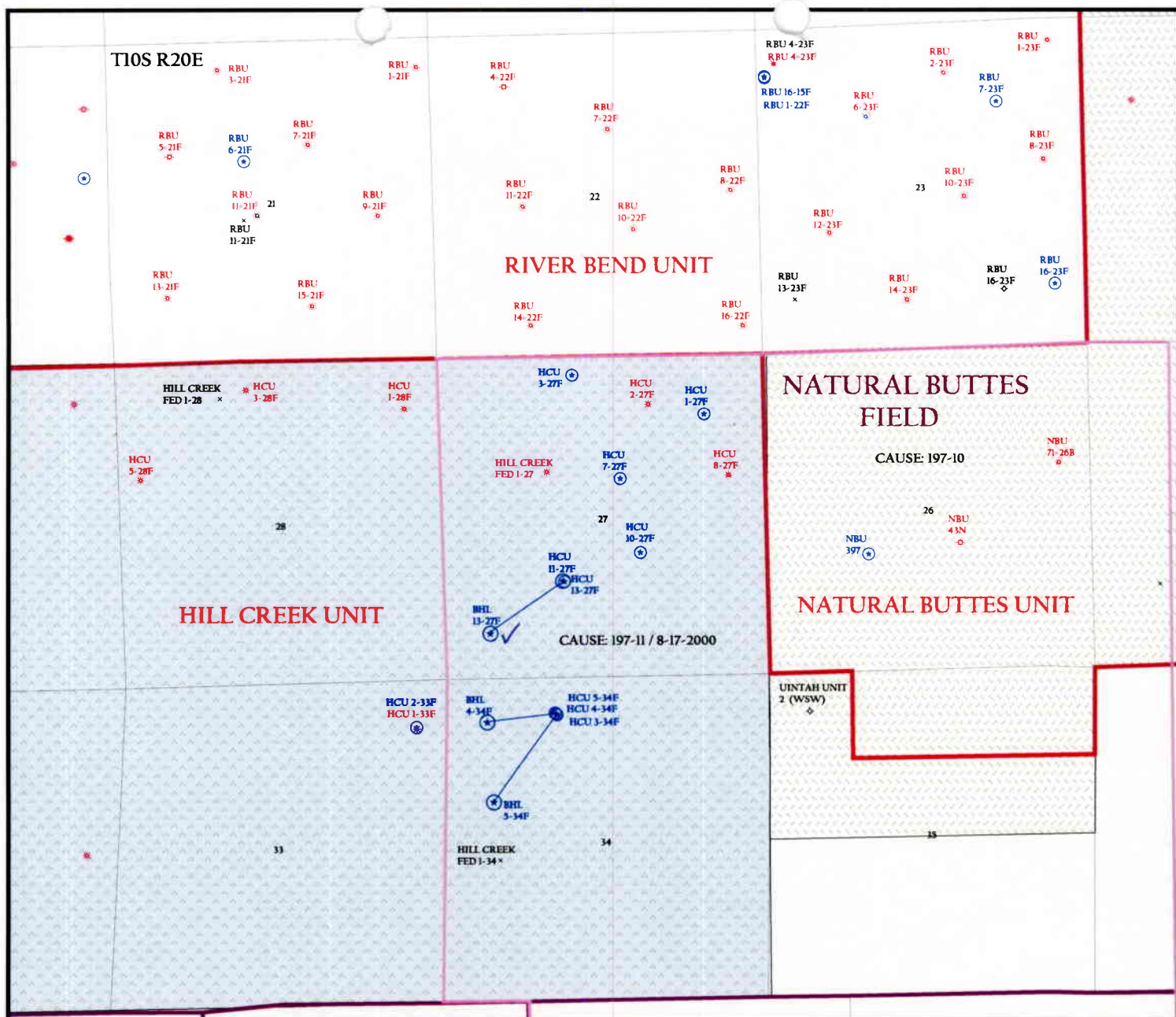
Siting: 460' from unit boundary

☒ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:

1- federal approval  
 2- Oil Shale



OPERATOR: DOMINION EXPL & PROD (N1095)

SEC. 27 T.10S, R.20E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 197-11 / 8-17-2000

#### Wells

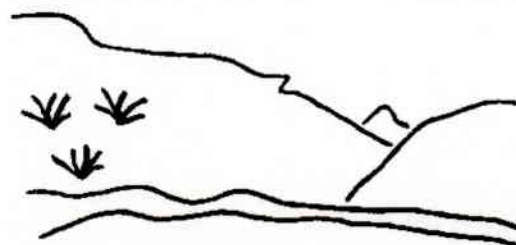
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

#### Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

#### Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON  
DATE: 27-AUGUST-2003

Dominion Exploration & Production, Inc.  
14000 Quail Springs Parkway, #600, Oklahoma City, OK 73134-2600



Attn: Diana Mason  
Utah Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-5801

Reference: Exception to Location & Sitting of Well  
HCU 13-27F, Surface Location 1615' FSL & 1880' FWL, Sec. 27-10S-20E  
Bottom Location 750' FSL & 700' FWL, Sec. 27-10S-20E  
Uintah County, Utah

Dear Ms. Mason:

Dominion Exploration & Production, Inc. is requesting an exception to Rule 649-3-11, for the above referenced well, due to the directional drilling. Dominion Exploration & Production, Inc. is the only owner within a 460' radius from all points along the intended well bore.

If you should require additional information please feel free to contact me at (405) 749-5263.

Sincerely,

Dominion Exploration & Production, Inc.

Carla Christian  
Regulatory Specialist

Enclosure

RECEIVED

AUG 26 2003

DIV. OF OIL, GAS & MINING



**Dominion Exploration &  
Production, Inc.**  
Utah  
Uintah County  
HCU 13-27F

**Sperry-Sun**

**Proposal Report**

**6 August, 2003**

Proposal Ref: pro6187

**HALLIBURTON**

**Proposal Report for HCU 13-27F**

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00	
550.00	0.000	0.000	550.00	0.00 N	0.00 E	0.00	0.000
600.00	2.000	233.757	599.99	0.52 S	0.70 W	0.87	4.000
700.00	6.000	233.757	699.73	4.64 S	6.33 W	7.85	4.000
800.00	10.000	233.757	798.73	12.87 S	17.55 W	21.76	4.000
900.00	14.000	233.757	896.53	25.16 S	34.32 W	42.55	4.000
1000.00	18.000	233.757	992.63	41.45 S	56.54 W	70.11	4.000
1100.00	22.000	233.757	1086.58	61.66 S	84.12 W	104.30	4.000
1199.12	25.965	233.757	1177.13	85.48 S	116.61 W	144.58	4.000
2000.00	25.965	233.757	1897.17	292.78 S	399.40 W	495.22	0.000
3000.00	25.965	233.757	2796.23	551.63 S	752.51 W	933.04	0.000
3770.35	25.965	233.757	3488.83	751.03 S	1024.52 W	1270.31	0.000
3800.00	25.075	233.757	3515.59	758.58 S	1034.83 W	1283.09	3.000
3900.00	22.075	233.757	3607.23	782.22 S	1067.08 W	1323.08	3.000
4000.00	19.075	233.757	3700.84	803.00 S	1095.42 W	1358.22	3.000
4100.00	16.075	233.757	3796.16	820.85 S	1119.77 W	1388.41	3.000
4200.00	13.075	233.757	3892.93	835.73 S	1140.07 W	1413.57	3.000
4300.00	10.075	233.757	3990.89	847.59 S	1156.25 W	1433.64	3.000
4400.00	7.075	233.757	4089.76	856.40 S	1168.27 W	1448.54	3.000
4500.00	4.075	233.757	4189.27	862.15 S	1176.11 W	1458.26	3.000
4600.00	1.075	233.757	4289.16	864.80 S	1179.73 W	1462.75	3.000
4635.84	0.000	0.000	4325.00	865.00 S	1180.00 W	1463.09	3.000
8310.84	0.000	0.000	8000.00	865.00 S	1180.00 W	1463.09	0.000

All data is in Feet (US Survey) unless otherwise stated. Directions and coordinates are relative to True North.  
Vertical depths are relative to Well. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet (US Survey).

Vertical Section is from Well and calculated along an Azimuth of 233.757° (True).

Based upon Minimum Curvature type calculations, at a Measured Depth of 8310.84ft.,  
The Bottom Hole Displacement is 1463.09ft., in the Direction of 233.757° (True).

**Comments**

Measured Depth (ft)	TVD (ft)	Station Coordinates Northings (ft)	Eastings (ft)	Comment
0.00	0.00	0.00 N	0.00 E	Surface Location: 1615 FSL & 1880 FWL, Sec. 27-T10S-R20E
550.00	550.00	0.00 N	0.00 E	Kick-Off at 550.00ft
874.56	871.79	21.65 S	29.53 W	Build Rate = 4.000°/100ft
1199.12	1177.13	85.48 S	116.61 W	End of Build at 1199.12ft
2484.73	2332.98	418.25 S	570.57 W	Hold Angle at 25.965°

**Proposal Report for HCU 13-27F****Comments (Continued)**

Measured Depth (ft)	Station Coordinates			Comment
	TVD (ft)	Northings (ft)	Eastings (ft)	
3770.35	3488.83	751.03 S	1024.52 W	Begin Drop to Vertical at 3770.35ft
4203.10	3895.95	836.14 S	1140.63 W	Drop Rate = 3.000°/100ft
4635.84	4325.00	865.00 S	1180.00 W	End of Drop at 4635.84ft
6473.34	6162.50	865.00 S	1180.00 W	Hold Angle at 0.000°
8310.84	8000.00	865.00 S	1180.00 W	Total Depth at 8310.84ft

**Formation Tops**

Formation Plane (Below Well Origin)			Profile Penetration Point					
Sub-Sea (ft)	Dip Angle	Dn-Dip Dirn.	Measured Depth (ft)	Vertical Depth (ft)	Sub-Sea Depth (ft)	Northings (ft)	Eastings (ft)	Formation Name
-4261.00	0.000	181.183	929.42	925.00	-4261.00	29.54 S	40.29 W	Green River
-1351.00	0.000	181.183	4140.30	3835.00	-1351.00	827.20 S	1128.44 W	Wasatch Tongue
-1021.00	0.000	181.183	4475.65	4165.00	-1021.00	861.03 S	1174.59 W	Green River Tongue
-861.00	0.000	181.183	4635.84	4325.00	-861.00	865.00 S	1180.00 W	Wasatch
39.00	0.000	181.183	5535.84	5225.00	39.00	865.00 S	1180.00 W	Chapita Wells
1239.00	0.000	181.183	6735.84	6425.00	1239.00	865.00 S	1180.00 W	Uteland Buttes
2339.00	0.000	181.183	7835.84	7525.00	2339.00	865.00 S	1180.00 W	Mesaverde

**Casing details**

From		To		Casing Detail
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	
<Surface>	<Surface>	2800.00	2616.42	9 5/8in Casing

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**Proposal Report for HCU 13-27F**

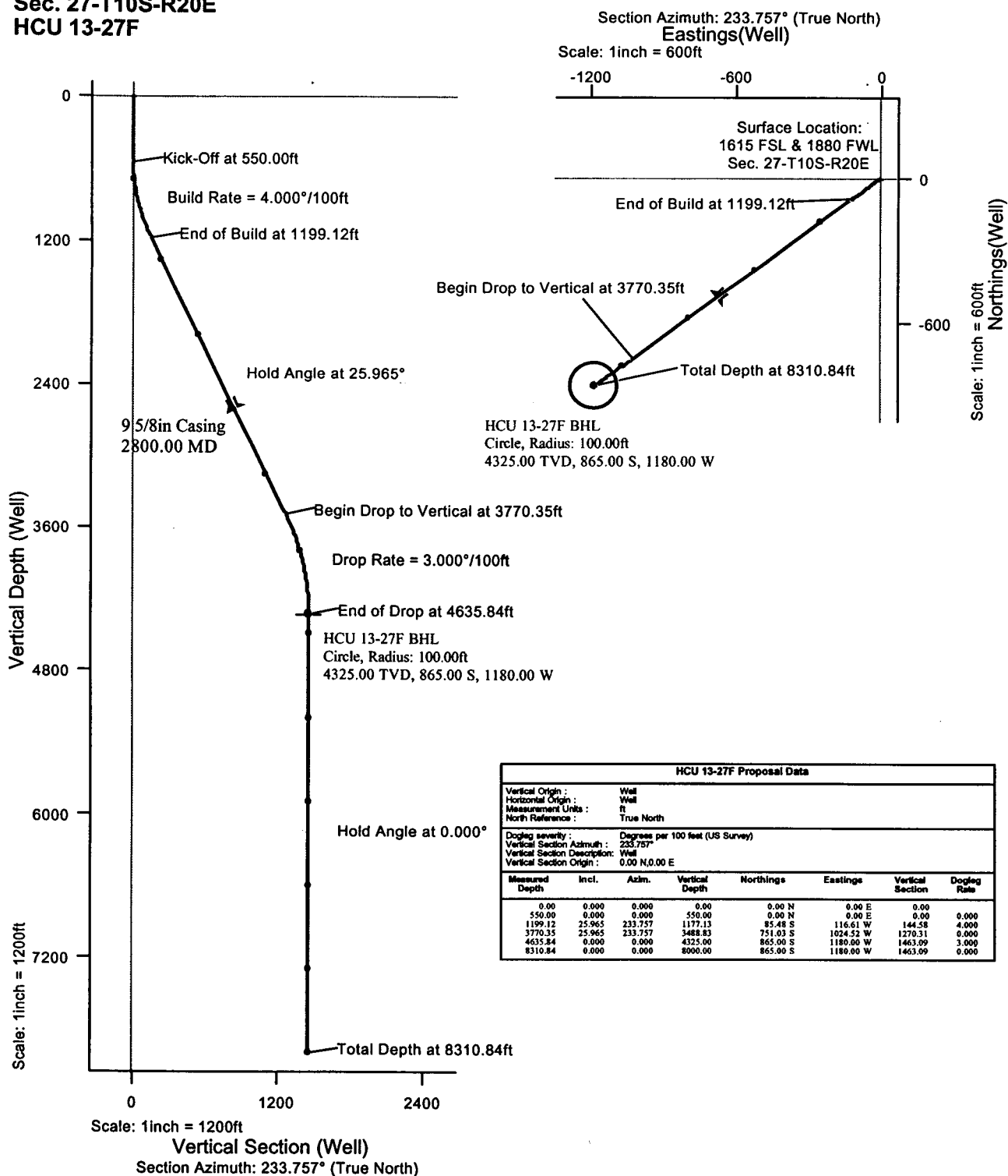
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**Targets associated with this wellpath**

Target Name	Target Entry Coordinates			Target Shape	Target Type
	TVD (ft)	Northings (ft)	Eastings (ft)		
HCU 13-27F BHL	4325.00	865.00 S	1180.00 W	Circle	Current Target



Utah  
 Uintah County  
 Sec. 27-T10S-R20E  
 HCU 13-27F



Prepared by:  
 Jay Lentz

Date/Time:  
 6 August, 2003 - 12:59

Checked:

Approved:

## United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

August 28, 2003

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2003 Plan of Development Hill Creek Unit,  
Uintah County, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following well is planned for calendar year 2003 within the Hill Creek Unit, Uintah County, Utah.

Api Number	Well	Location
------------	------	----------

(Proposed PZ Mesaverde)

43-047-35154 HCU 13-27F Sec. 27 T10S R20E 1615 FSL 1880 FWL  
BHL Sec. 27 T10S R20E 0750 FSL 0700 FWL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File - Hill Creek Unit  
Division of Oil Gas and Mining  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:8-28-3



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 telephone

(801) 359-3940 fax

(801) 538-7223 TTY

www.nr.utah.gov

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

August 28, 2003

Dominion Exploration & Production, Inc.  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

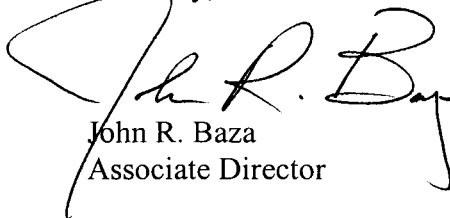
Re: Hill Creek Unit 13-27-F Well, Surface Location 1615' FSL, 1880' FWL, NE SW, Sec. 27,  
T. 10 South, R. 20 East, Bottom Location 750' FSL, 700' FWL, SW SW, Sec. 27,  
T. 10 South, R. 20 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35154.

Sincerely,



John R. Baza  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Dominion Exploration & Production, Inc.  
**Well Name & Number** Hill Creek Unit 13-27-F  
**API Number:** 43-047-35154  
**Lease:** U-29784

**Surface Location:** NE SW      **Sec.** 27      **T.** 10 South      **R.** 20 East  
**Bottom Location:** SW SW      **Sec.** 27      **T.** 10 South      **R.** 20 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

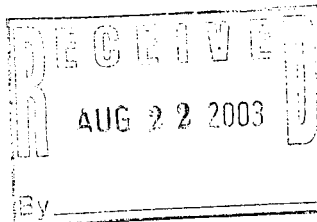
All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**

**5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.**

**6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



Form approved.  
OMB No. 1004-0136  
Expires: November 30, 2000

008

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. U-29784
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE		6. If Indian, Allottee or Tribe Name Ute Indian Tribe
2. Name of Operator Dominion Exploration & Production, Inc.		7. If Unit or CA Agreement, Name and No. Hill Creek Unit
3a. Address 14000 Quail Spgs Parkway, Okla.City, OK 73134		8. Lease Name and Well No. HCU 13-27F
3b. Phone No. (include area code) 405-749-1300		9. API Number 43-047-35154
4. Location of Well (Report location clearly and in accordance with any state requirements.) At surface 1615' FSL & 1880' FWL, NE/SW At proposed prod. zone 750' FSL & 700' FWL, SW/SW		10. Field and Pool, or Exploratory Natural Buttes
14. Distance in miles and direction from nearest town or post office* 16.7 miles South of Ouray		11. Sec., T., R., M., or Blk and Survey or Area 27-10S-20E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) 700'	16. No. of Acres in lease 640	17. Spacing Unit dedicated to this well 40
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1469'	19. Proposed Depth 8,000	20. BLM/BIA Bond No. on file 76S 63050 0330
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5171'	22. Approximate date work will start* 15-Jun-04	23. Estimated duration 45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

RECEIVED

JAN 22 2004

DIV. OF OIL, GAS & MINING

25. Signature 	Name (Printed/Typed) Carla Christian	Date August 21, 2003
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) Edwin J. Fersman	Date 11/14/04
Title Assistant Regional Manager Mineral Resources		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

4006M

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Dominion Exploration & Production Inc.

Well Name & Number: HCU 13-27F

API Number: 43-047-35154

Lease Number: UTU – 29784

Surface Location: NESW Sec. 27 TWN: 10S RNG: 20E

Bottom Hole Location: SWSW Sec. 27 TWN: 10S RNG: 20E

Agreement: HILL CREEK UNIT

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

**Submit an electronic copy of all logs run on this well in LAS format. This submission will replace the requirement for submittal of paper logs to the BLM.**

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

#### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to John Mayers of this office prior to setting the next casing string or requesting plugging orders. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **3M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

#### 3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint. Surface casing setting depths are based on ground level elevations only.

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the intermediate casing at least 200 ft. above the top of the Green River Formation, identified at  $\pm$  920 (MD) ft and by having a cement top for the production casing at least 200 ft. the top of the Wasatch Formation at 4,640 (MD) ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vapor proof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to top of the cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.



Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5(d) shall be submitted to the appropriate Field Office within 60 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (1).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries and tested for meter accuracy at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office.

All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874 BLM FAX Machine (435) 781-4410  
Petroleum Engineer

Kirk Fleetwood (435) 828-7875  
Petroleum Engineer

#### EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

Dominion Exploration and Production, Inc. (Dominion) will assure the Ute Tribe that any/all contractors and subcontractors have acquired a current Tribal Business License and have updated "Access Permits" prior to construction. All Dominion personnel, contractors and subcontractors will have these permits in their vehicles at all times. Companies that have not complied with this COA will be in violation of the Ute Tribal Business License Ordinance, and will be subject to fines and penalties.

Dominion employees, representatives, and/or authorized personnel (subcontractors) shall not carry firearms on their person or in their vehicles while working on the Uintah and Ouray Indian Reservation.

Dominion employees and/or authorized personnel (subcontractors) in the field will have approved applicable APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.

Dominion will notify the Ute Tribe and Bureau of Indian Affairs (BIA) in writing of any requested modification of APDs or Rights-Of Way (ROW). Dominion shall receive written notification of authorization or denial of the requested modification. Without authorization, Dominion will be subject to fines and penalties.

The Ute Tribe Energy & Minerals Department shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday. A Tribal Technician is to routinely monitor construction. Dominion shall make arrangements with the Ute Energy & Minerals Department for all monitoring that will exceed regular working hours for Tribal Technicians. A qualified archaeologist accompanied by a Tribal Technician will monitor any trenching construction of the pipeline.

A corridor ROW, 60 feet wide and 1052 feet long, shall be granted by BIA for the pipeline and for the access road. The constructed, travel width of the access road will be limited to 18 feet. Upon authorization by the Ute Tribe Energy & Minerals Department, the ROW may be wider where sharp curves; deep cuts and fills occur; or, where intersections with other roads are required.

Culverts and diversion ditches will be placed and constructed where needed. Road base gravel will be used where sandy soils make roadways and the drilling location hazardous for access or drilling operations.

Upon completion of the pertinent APD and ROWs, Dominion will notify the Ute Tribe Energy & Minerals Department for a Tribal Technician to verify the Affidavit of Completion.

Production waters, oil, and other byproducts shall not be placed on access roads or the well pad.

All vehicular traffic, personnel movement, construction and restoration operations will be confined to the areas examined and approved and to the existing roadways and/or evaluated access routes.

Dominion will implement "Safety and Emergency Plan" and ensure plan compliance.

Dominion shall stop construction activities and notify personnel from the Ute Tribe Energy & Minerals Department and BIA if cultural remains including paleontology resources (vertebrate fossils) are exposed or identified during construction. The Ute Tribe Department of Cultural Rights and Protection and the BIA will provide mitigation measures prior to allowing construction.

Dominion employees and/or authorized personnel (subcontractors) will not be allowed to collect artifacts and paleontology fossils. No significant cultural resources shall be disturbed.

Dominion will control noxious weeds on the well site and ROWs. Dominion will be responsible for noxious weed control if weeds spread from the project area onto adjoining land.

Reserve pits will be lined with an impervious synthetic liner. A fence will be constructed around the reserve pit until it is backfilled. Prior to backfilling the reserve pit, all fluids will be pumped from the pit into trucks and hauled, to approved disposal sites. When the reserve pits are backfilled, the surplus oil and mud, etc., will be buried a minimum of 3 feet below the surface of the soil.

A closed system will be used during production. This means that production fluids will be contained in leak-proof tanks. All production fluids will be disposed of at approved disposal sites.

Surface pipelines will be constructed to lay on the soil surface. The pipeline portion of the ROW will not be bladed or cleared of vegetation without authorization of the BIA. Surface pipelines shall be welded in place at well sites or on access roads. They shall be pulled into place and assembled with suitable equipment. Vehicles shall not use pipeline ROWs as access roads unless specifically authorized.

Buried pipelines shall be buried a minimum of 3 feet below the soil surface. After construction is completed the disturbed area shall be contoured to blend into the natural landscape and be reseeded between September 15 and November 1 of the year following construction with perennial vegetation seed mixture provided by the BIA or Ute Tribe.

Before the site is abandoned, Dominion will be required to restore the well site and ROWs to near their original state. The disturbed areas will be reseeded with desirable perennial vegetation.

Soil erosion will be mitigated, by reseeding all disturbed areas.

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

### ENTITY ACTION FORM

Operator: Dominion Exploration & Production, Inc.  
Address: 14000 Quail Springs Parkway, Suite 600  
city Oklahoma City  
state Ok zip 73134

Operator Account Number: N 1095

Phone Number: (405) 749-1300

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-35154	HCU 13-27F		NESW	27	10S	20E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>KB</i>	<i>99999</i>	<i>113829</i>	<i>4/1/2004</i>		<i>5/5/04</i>		
Comments: <i>MVRD</i>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Carla Christian

Name (Please Print)

*Carla Christian*

Signature

Regulatory Specialist

Title

**RECEIVED**

Date

**MAY 05 2004**

010



# FAX COVER

To: Carol Daniels

Company : Utah Division of Oil, Gas & Mining

Fax Number : 18013593940

From : Terri Potter

Company : Dominion Exploration & Production

Fax Number : (405) 749-6675

Subject : HCU 13-27F

*T 105 R 20F S-27*

*43-047-35154*

Pages including cover page: 4

Date : 5/5/2004

Time : 1:28:28 PM

E-mail Address: Terri\_R\_Potter@dom.com

Phone Number: (405) 749-5256

RECEIVED  
MAY 05 2004  
DIV. OF OIL, GAS & MINING



## WELL CHRONOLOGY REPORT

**WELL NAME : HCU 13-27F**

Event No: 1

DISTRICT : ONSHORE WESTFIELD : NATURAL BUTTES 630LOCATION : 1615 FSL 1880 FWL SEC 27 T 10S R 20ECOUNTY & STATE : UINTAHUTCONTRACTOR : WI % : 100.00000 AFE # : 0401146API # : 43-047-035154PLAN DEPTH 8,311SPUD DATE : DHC : \$498,500CWC : \$473,500AFE TOTAL : \$972,000FORMATION : WASATCHREPORT DATE: 04/02/04MD : 0TVD : 0DAYS : MW : VISC : DAILY : DC : CC : TC : CUM : DC : \$0CC : \$0TC : \$0

DAILY DETAILS WO RATHOLE MACHINE RIG UP BILL JR'S RATHOLE MACHINE DRILL MOUSEHOLE, RATHOLE AND 8' CONDUCTOR. DRILL SURFACE FROM 8' TO 275'

REPORT DATE: 04/03/04MD : 0TVD : 0DAYS : MW : VISC : DAILY : DC : \$0CC : \$0TC : \$0CUM : DC : \$0CC : \$0TC : \$0

DAILY DETAILS DRILL SURFACE FROM 275' TO 540' RIG DOWN RATHOLE MACHINE CEMENT

REPORT DATE: 04/17/04MD : 619TVD : 619DAYS : 1MW : 8.3VISC : 26DAILY : DC : \$18,695CC : \$0TC : \$18,695CUM : DC : \$18,695CC : \$0TC : \$18,695

DAILY DETAILS FINISH RIGGING DOWN SKID RIG FROM 11-27F TO 13-27F RIG UP GAS BUSTER, DIVERTER LINE STRAP D/COLLARS AND D/PIPE. PICK UP DIRECTIONAL BHA #1. RIH TO 460' DRILL OUT INSERT AT 466', CEMENT AND SHOE AT 510' DRILL FROM 510' TO

REPORT DATE: 04/18/04MD : 1,365TVD : 1,357DAYS : 2MW : 8.6VISC : 27DAILY : DC : \$29,877CC : \$0TC : \$29,877CUM : DC : \$48,572CC : \$0TC : \$48,572

DAILY DETAILS SLIDE AND ROTATE FROM 619 TO 872', ( 1 1/2 hr for surveys.) RIG SERVICE ORIENTED FROM 872' TO 1400, ( 2 HRS FOR SURVEYS)

REPORT DATE: 04/19/04MD : 2,102TVD : 2,022DAYS : 3MW : 8.6VISC : 26DAILY : DC : \$26,235CC : \$0TC : \$26,235CUM : DC : \$74,807CC : \$0TC : \$74,807

DAILY DETAILS SURVEY AT 1365'. 1 1/2 DEG MOTOR NOT BUILDING ANGLE QUICK ENOUGH TRIP OUT AND ADJUST DOWNHOLE MOTOR FROM 1 1/2 TO 2 DEG. RIH BHA SLIP AND CUT 100' D/LINE TRIP IN HOLE, WASH AND REAM 25' TO BOTTOM. DRILL FROM 1365 TO 2102. (1 HR TO TAKE SURVEYS)

REPORT DATE: 04/20/04MD : 2,868TVD : 2,674DAYS : 4MW : 8.5VISC : 26DAILY : DC : \$26,432CC : \$0TC : \$26,432CUM : DC : \$101,239CC : \$0TC : \$101,239

DAILY DETAILS DRILL FROM 2102 TO 2293 RIG SERVICE DRILL FROM 2293 TO 2868. ( 1 1/2 HRS FOR SURVEYS) PUMP HI-VIS SWEEP, CBU, PUMP PILL TRIP OUT, LAY DOWN 3-8" D/COLLARS, DIRECTIONAL EQUIPMENT, SHOCK SUB AND MOTOR. RIG UP CALIBER CASING TONGS START RUNNING 9 5/8" CASING.

**RECEIVED**
**MAY 05 2004**

DIV. OF OIL, GAS &amp; MINING





## WELL CHRONOLOGY REPORT

**WELL NAME : HCU 13-27F**
DISTRICT : ONSHORE WESTFIELD : NATURAL BUTTES 630

Event No: 1

LOCATION : 1615 FSL 1880 FWL SEC 27 T 10S R 20ECOUNTY & STATE : UINTAH

UT

CONTRACTOR : .

WI % : 100.00000 AFE # : 0401146API # : 43-047-035154PLAN DEPTH 8,311 SPUD DATE : .DHC : \$498,500CWC : \$473,500AFE TOTAL : \$972,000FORMATION : WASATCH

REPORT DATE: 04/21/04 MD: 2,868 TVD: 2,674 DAYS: 5 MW: 8.6 VISC: 26  
 DAILY: DC: \$25,051 CC: \$0 TC: \$25,051 CUM: DC: \$200,277 CC: \$0 TC: \$200,277

DAILY DETAILS RE-ADJUST CASING STUBB, ADJUST CASING TONGS. RUN 65 JTS 9 5/8" 36 LB. J-55 LT&C CASING. SET AT 2834' FLOAT AT 2789' PICK UP LANDING JT., MAKE UP CASING HANGER, LAND 9 5/8 CASING, RIG UP CEMENTING HEAD. CIRC. RIG DOWN CALIBER CASING TONGS AND LAY DOWN MACHINE. RIG UP HALLIBURTON CEMENT HEAD AND CIRC. HOLE. HSM. TEST LINES TO 4000 PSI, PUMP 10 BLS FRESH WATER, 20 BLS 8.5 GEL. WITH FLOCELE, AHEAD OF 219 BLS (300 SX) CBM LITE MIXED WITH .25% FLOCELE AND 10 LB/SX GILSONITE. WEIGHT 10.5, YIELD 4.17 CUFT/SX, WATER 26.88 GP/SX. TAIL PREM AG 300 83 BLS (390 SX) MIXED WITH 2 % CACL .25 # FLOCELE WEIGHT 15.6, YIELD 1.15 CUFT/SX, WATER 5.2 GP/SX. DROP PLUG DISPLACE WITH 216 BLS WATER. BUMP PLUG WITH 500 PSI OVER. GOOD RETURNS, 61 BLS CEMENT RETURNS. CIP 13:45 HRS WOC CUT 9 5/8 CASING, WELD ON WELL HEAD, TEST NIPPLE UP BOP TEST BOPE, UPPER AND LOWER KELLY VALVES, INSIDE BOP, PIPE AND BLIND RAMS, KILL LINE, CHOKE LINE AND MANIFOLD TESTED TO 3,000 PSI. TESTED ANNULAR PREVENTER AND 9 5/8 INTERMEDIATE TO 1,500 PSI. CALLED BLM (ED FORSMAN) AT 18:00 HRS. NO ONE FROM BLM ON LOCATION TO WITNESS BOP TEST. LAY DOWN 6-6 1/2" D/COLLARS. PICK UP DIRECTIONAL BHA.

REPORT DATE: 04/22/04 MD: 4,093 TVD: 3,770 DAYS: 6 MW: 8.7 VISC: 27  
 DAILY: DC: \$26,080 CC: \$0 TC: \$26,080 CUM: DC: \$226,357 CC: \$0 TC: \$226,357

DAILY DETAILS TIH W/ 2 STANDS OF DC'S, LAY DOWN 2 STANDS OF DC'S. INSTALL WEAR RING, PU 7-7/8" BIT AND BHA. INSTALL MWD & TEST TOOLS. TIH. DRLG FLOAT EQUIPMENT & CMT F/ 2793' - 2868'. DRLG F/ 2868' TO 2880' (INTEGRITY TEST AT 2880' 9.5#/GAL EMWT). RIG SERVICE. DIRECTIONAL DRLG F/ 2880' - 4093'.

REPORT DATE: 04/23/04 MD: 4,727 TVD: 4,399 DAYS: 7 MW: 8.7 VISC: 27  
 DAILY: DC: \$31,295 CC: \$0 TC: \$31,295 CUM: DC: \$257,652 CC: \$0 TC: \$257,652

DAILY DETAILS DIRECTIONAL DRLG F/ 4093' - 4341'. RIG SERVICE. DIRECTIONAL DRLG F/ 4341' - 4727'

REPORT DATE: 04/24/04 MD: 5,995 TVD: 5,667 DAYS: 8 MW: 8.7 VISC: 27  
 DAILY: DC: \$21,835 CC: \$0 TC: \$21,835 CUM: DC: \$279,487 CC: \$0 TC: \$279,487

DAILY DETAILS DRLG F/ 4727' - 4852'. PUMP PILL LD 2 JTS DP AND TOH. LD DIRECTIONAL TOOLS. PU MUD MTR, BIT AND TIH. WASH & REAM F/ 4750' - 4852'. RIG SERVICE. DRLG F/ 4852' - 5293'. CIRC & SURVEY @ 5223' = 1.5 DEGREES. DRLG F/ 5293' - 5995'.

REPORT DATE: 04/25/04 MD: 7,134 TVD: 6,896 DAYS: 9 MW: 8.7 VISC: 27  
 DAILY: DC: \$23,840 CC: \$0 TC: \$23,840 CUM: DC: \$303,327 CC: \$0 TC: \$303,327

DAILY DETAILS DRLG F/ 5995' - 6311'. SURVEY @ 6276' = 27. DRLG F/ 6311' - 7134'.

REPORT DATE: 04/26/04 MD: 7,619 TVD: 7,291 DAYS: 10 MW: 8.8 VISC: 27  
 DAILY: DC: \$15,870 CC: \$0 TC: \$15,870 CUM: DC: \$319,197 CC: \$0 TC: \$319,197

DAILY DETAILS DRLG F/ 7134' - 7167'. CIRC BOTTOMS UP FOR TRIP. TOH - SHORT TRIP 50 STANDS. RIG SERVICE. TIH. WASH AND REAM 90' TO BOTTOM. DRLG F/ 7167' - 7293'. CIRC HOLE FOR SURVEY. SURVEY @ 7223' = 1-3/4?. DRLG F/ 7293' - 7619'.

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## WELL CHRONOLOGY REPORT

**WELL NAME : HCU 13-27F**
DISTRICT : ONSHORE WESTFIELD : NATURAL BUTTES 630

Event No: 1

LOCATION : 1615 FSL 1880 FWL SEC 27 T 10S R 20ECOUNTY & STATE : UINTAHUTCONTRACTOR : WI % : 100.00000 AFE # : 0401146API # : 43-047-035154PLAN DEPTH 8,311 SPUD DATE : DHC : \$498,500CWC : \$473,500AFE TOTAL : \$972,000FORMATION : WASATCH

REPORT DATE: 04/27/04 MD : 8,121 TVD : 7,793 DAYS : 11 MW : 8.9 VISC : 36  
 DAILY : DC : \$22,595 CC : \$0 TC : \$22,595 CUM : DC : \$341,792 CC : \$0 TC : \$341,792  
 DAILY DETAILS DRLG F/ 7619' - 7769'. RIG SERVICE. DRLG F/ 7769' - 7927'. INSTALL NEW ROTATING RUBBER. DRLG F/ 7927' - 8121'.

REPORT DATE: 04/28/04 MD : 8,333 TVD : 8,006 DAYS : 12 MW : 8.9 VISC : 36  
 DAILY : DC : \$16,124 CC : \$0 TC : \$16,124 CUM : DC : \$357,916 CC : \$0 TC : \$357,916  
 DAILY DETAILS DRILL FROM 8121' TO 8213 RIG SERVICE DRILL FROM 8213 TO 8333 CBU, PUMP HI-VIS SWEEP PULL 2 STANDS, TIGHT HOLE, DRUM CLUTCH SLIPPING WAIT ON TRUE DRILLING CO. MECHANICS PULL DRUM CLUTCH

REPORT DATE: 04/29/04 MD : 8,333 TVD : 8,006 DAYS : 13 MW : 9.2 VISC : 36  
 DAILY : DC : \$27,422 CC : \$0 TC : \$27,422 CUM : DC : \$385,338 CC : \$0 TC : \$385,338  
 DAILY DETAILS FINISH REPLACING DRUM CLUTCH SHORT TRIP 10 STANDS. CBU, PUMP PILL TRIP OUT FOR LOGS R/U BAKER ATLAS AND RUN LOGS TO 8212'. R/D LOGGERS RIH WITH BHA SLIP AND CUT 120' D/LINE RIH TO 8280' WASH AND REAM FROM 8180' TO 8333'

REPORT DATE: 04/30/04 MD : 8,333 TVD : 8,006 DAYS : 14 MW :  VISC :   
 DAILY : DC : \$44,591 CC : \$0 TC : \$44,591 CUM : DC : \$429,929 CC : \$0 TC : \$429,929  
 DAILY DETAILS CBU, PUMP HI-VIS SWEEP, PUMP PILL. LAY DOWN D/PIPE, HWDP, BHA. PULL WARE BUSHING. RIG UP FRANKS CASING AND RUN 194 JTS 5 1/2" 17 LB, MAV-80, LT & C, 8 RD. SEAT AT 8291', MARKER JTS AT 6005 TO 5995 RIG DOWN CASING TONGS/ RIG UP HALLIBURTON CEMENT HEAD AND CIRC. HOLE. TEST LINES TO 4000 PSI. PUMP 5 BLS FRESH WATER, 50 BLS MUD FLUSH AND 10 BLS KCL WATER AHEAD OF LEAD. 100 Sx HI-FILL 5 MIXED WITH 16 % GEL, .6% EX-1, 3% SALT, .25 LB/SX FLOCELE, 10 LB/Sx GILSONITE. WEIGHT 11.6 PPG. YIELD 3.12 CUFT/Sx, WATER 17.83 GP/Sx. TAIL, PUMP 640 Sx HLC-5 MIXED WITH 65% CEMENT, 35% POZ, 6% GEL, 3% SALT, 1% EX-1, .6% HALAD-322, .2% HR-5. WEIGHT 13 PPG, YIELD 1.69 CUFT/Sx, WATER 8.81 GP/Sx. DROP PLUG, PUMP 10 BLS WATER MIXED WITH 5 LB SUGAR WATER AND 1 GAL COLOROX. DISPLACE WITH 191 BLS KCL WATER. BUMP PLUG AT 500 PSI OVER. FLOATS HELD. HAD GOOD RETURNS, NO CEMENT TO SURFACE. CIP AT 01:00 HRS. 4/30/2004 LAND 5 1/2 CASING. NIPPLE DOWN, CLEAN MUD TANKS. RELEASE TRUE # 26 AT 05:00 HRS. 4/30/2004

REPORT DATE: 05/01/04 MD : 8,333 TVD : 8,006 DAYS : 15 MW :  VISC :   
 DAILY : DC : \$1,110 CC : \$0 TC : \$1,110 CUM : DC : \$431,039 CC : \$0 TC : \$431,039  
 DAILY DETAILS WORK ON DWKS, MUD PUMPS. RIG DOWN

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DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. U-29784
2. Name of Operator DOMINION EXPL. & PROD., INC.		6. If Indian, Allottee or Tribe Name
Contact: CARLA CHRISTIAN E-Mail: Carla_M_Christian@dom.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 14000 QUAIL SPRINGS PARKWAY, SUITE 600 OKLAHOMA CITY, OK 73134	3b. Phone No. (include area code) Ph: 405.749.5263 Fx: 405.749.6690	8. Well Name and No. HCU 13-27F
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 27 T10S R20E NESW 1615FSL 1880FWL		9. API Well No. 43-047-35154
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

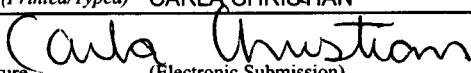
**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

4/1/04 spud well. 4/2/04 ran 12 jts, 13 3/8", 48#, H-40, ST&C csg., set @522'. Cemented w/460 sks Premium, yield 1.18 cuft/sk, weight 15.6 ppg. 10 bbls cmt. to surface. 4/20/04 ran 65 jts, 9 5/8", 36#, J-55, LT&C csg., set @ 2834'. Cemented lead w/300 sks CBM Lite, weight 10.5 ppg, yield 4.17 cuft/sk, tailed w/390 sks Prem AG 300, weight 15.6 ppg, yield 1.15 cuft/sk, bumped plug, returned 61 bbls cmt. to surface. 4/29/04 ran 194 jts, 5 1/2", 17#, Mav-80, LT&C, 8rd csg., set @ 8291'. Cemented lead w/100 sks Hi Fill "V", weight 11.6 ppg., yield 3.12 cuft/sk, tailed w/640 sks HLC-5, weight 13.0 ppg, yield 1.69 cuft/sk, bump plug, floats held, released rig.

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14. I hereby certify that the foregoing is true and correct. Electronic Submission #30219 verified by the BLM Well Information System For DOMINION EXPL. & PROD., INC., sent to the Vernal		DIV. OF OIL, GAS & MINING	
Name (Printed/Typed) CARLA CHRISTIAN		Title AUTHORIZED REPRESENTATIVE	
Signature  (Electronic Submission)		Date 05/03/2004	

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
U-29784

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
HCU 13-27F

9. API Well No.  
43-047-35154

10. Field and Pool, or Exploratory  
NATURAL BUTTES

11. County or Parish, and State  
UINTAH COUNTY, UT

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
DOMINION EXPL. & PROD., INC.

Contact: CARLA CHRISTIAN  
E-Mail: Carla\_M\_Christian@dom.com

3a. Address  
14000 QUAIL SPRINGS PARKWAY, SUITE 600  
OKLAHOMA CITY, OK 73134

3b. Phone No. (include area code)  
Ph: 405.749.5263  
Fx: 405.749.6690

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 27 T10S R20E NESW 1615FSL 1880FWL

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

5/11/04 thru 5/13/04 perf'd and frac'd well. First sales 5/14/04.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #30937 verified by the BLM Well Information System  
For DOMINION EXPL. & PROD., INC., sent to the Vernal

Name (Printed/Typed) CARLA CHRISTIAN

Title AUTHORIZED REPRESENTATIVE

Signature

*Carla Christian*  
(Electronic Submission)

Date 05/19/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED**

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DIV. OF OIL, GAS & MINING

013

U-29784

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other ☐

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Diff. Resvr. ☐

Other \_\_\_\_\_

2. Name of Operator  
Dominion Exploration & Production, Inc.

3. Address  
14000 Quail Springs Parkway - Ste. 600 - Okla. City, OK 73134

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface  
At top prod. Interval reported below  
1615' FSL & 1880' FWL  
At total depth  
~~750' FSL & 700' FWL~~ 815' FSL 649' FWL (FROM SURVEY)

14. Date Spudded  
4/01/2004

15. Date T.D. Reached  
4/27/2004

16. Date Completed  
☐ D&A ☒ Ready to prod. 5/14/2004

18. Total Depth: MD 8333' TVD 8004'

19. Plug Back T.D.: MD 8262' TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
Dual/Micro Laterolog, Comp. Z-Densilog, Comp. Neutron  
Gamma Ray/Caliper Log, Cement Bond Log

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all string set in well)

Hole Size	Size/Grade	Wt. (#/ft)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2"	13 3/8"	48#	Surface	522'		460 Sx		Circ.	
12 1/4"	9 5/8"	36#	Surface	2834'		690 Sx		Surface	
7 7/8"	5 1/2"	17#	Surface	8291'		740 Sx		Est. TOC 2800'	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Mesaverde	8102'	8145'	8102-28, 8142-45		60	Open
B) Mesaverde	7894'	7948'	7894-00, 7902-06, 7925-48		60	Open
C) Mesaverde	7784'	7862'	(7784-96, 7798-03, 7806-10)			
			7830-41, 7843-50, 7856-62)		62	Open
D) Uteland Buttes	7390'	7428'	7390-98, 7419-28		53	Open
E) Chapita Wells	6232'	6243'	6232 - 43		45	Open
F)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8102' - 8145'	Frac w/40,096# 20/40 PR 6000 Sand, w/245.8 Mscf of N2 and 561 bbls YF 120ST.
7894' - 7948'	Frac w/54,262# 20/40 Ottawa Sand, w/196.7 Mscf of N2 and 483 bbls YF 120ST.
7784' - 7862'	Frac w/65,440# 20/40 Ottawa Sand, w/225.4 Mscf of N2 and 599.1 bbls YF 115ST.
7390' - 7428'	Frac w/58,648# 20/40 Ottawa Sand, w/173.8 Mscf of N2 and 456 bbls YF 115ST.
6232' - 6243'	Frac w/35,827# 20/40 Ottawa Sand, w/108.7 Mscf of N2 and 362.6 bbls YF 115ST.

28. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
05/14/2004	7/10/2004	24	→	7	715	27			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
18	136	363	→	7	715	27	1:102,142	Producing	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
HCU 13-27F

9. API Well No.  
43-047-35154

10. Field and Pool, or Exploratory  
Natural Buttes

11. Sec., T., R., M., or Block and Survey or Area  
27-10S-20E

12. County or Parish  
Uintah

13. State  
UT

17. Elevations (DF, RKB, RT, GL)\*  
GL 5173'

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28b Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas. Depth
				Wasatch Tongue	4100'
				Uteland Limestone	4447'
				Wasatach	4610'
				Chapita Wells	5391'
				Uteland Buttes	6598'
				Mesaverde	7470'

32. Additional remarks (include plugging procedure)

33. Circle enclosed attachments:

- ☒ 1. Electrical/Mechanical Logs (1 full set req'd)     
 2. Geologic Report     
 3. DST Report     
 4. Directional Survey  
 5. Sundry Notice for plugging and cement verification     
 6. Core Analysis     
 7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Carla Christian      Title Regulatory Specialist  
 Signature Carla Christian      Date July 15, 2004

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



**Ryan** The leader in  
**UNDERGROUND INTELLIGENCE™**

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Directional & Horizontal Drilling Systems

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## ***Dominion Exploration and Production***

***Natural Buttes Field, Uintah County, Utah***

***HCU #13-27F***

***Section 27, T10S, R20E***

### **Final Well Report**

WE HEREBY CERTIFY THAT THE DATA CONTAINED IN THIS REPORT FROM 536 FT.  
TO 4791 FT. BY OUR DIRECTIONAL CONSULTANT, REPRESENTS TO THE BEST OF  
OUR KNOWLEDGE, A TRUE AND ACCURATE SURVEY OF THE WELL AT THE TIME THE  
SURVEY WAS RUN.

  
CERTIFIED BY

6/1/04  
DATE

108 Banks Avenue • Lafayette, LA 70506 • Phone: (337) 264-1035  
18231 Ammi Trail • Houston, TX 77060 • Phone: (281) 443-1414  
530 – 8<sup>th</sup> Avenue S.W. • Calgary, Alberta, Canada T2P 3S8 • Phone: 403-269-5981  
Visit our website at [www.ryanenergy.com](http://www.ryanenergy.com)



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***AS DRILLED***

***HCU #13-27F***

***SECTION 27, T10S, R20E***

***Uintah County, Utah***

108 Banks Avenue • Lafayette, LA 70506 • Phone: (337) 264-1035  
18231 Ammi Trail • Houston, TX 77060 • Phone: (281) 443-1414  
530 – 8<sup>th</sup> Avenue S.W. • Calgary, Alberta, Canada T2P 3S8 • Phone: 403-269-5981  
Visit our website at [www.ryanenergy.com](http://www.ryanenergy.com)





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**Dominion** SM

**Exploration & Production**

Field: Uintah County, Utah

Site: HCU #13-27F

Well: HCU #13-27F

Wellpath: OH

Plan: Plan #1

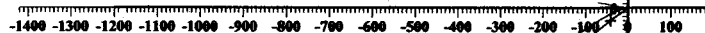
**AS DRILLED**

**Section 27, T10S, R20E**

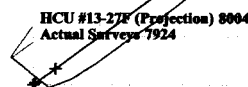
**WELL DETAILS**

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
HCU #13-27F	0.00	0.00	581624.02	2517845.98	39°54'55.919N	109°39'13.072W	N/A

Assumed Vertical to 505' MD/TVD



South(-)/North(+) [100ft/in]



West(-)/East(+) [100ft/in]

**TARGET DETAILS**

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Green River	925.00	-29.54	-48.29	581594.48	2517885.69	39°54'55.435N	109°39'13.597W
Wasatch Tongue	3835.00	-827.20	-1128.44	580796.82	2516717.54	39°54'47.975N	109°39'27.771W
Green River Tongue	4165.00	-861.83	-1174.59	580763.99	2516671.39	39°54'47.658N	109°39'28.372W
Wasatch	4325.00	-865.00	-1180.00	580759.82	2516665.98	39°54'47.612N	109°39'28.442W
Chapita Wells	5225.00	-865.00	-1180.00	580759.82	2516665.98	39°54'47.612N	109°39'28.442W
Utealand Buttes	6425.00	-865.00	-1180.00	580759.82	2516665.98	39°54'47.612N	109°39'28.442W
Mesa Verde	7525.00	-865.00	-1180.00	580759.82	2516665.98	39°54'47.612N	109°39'28.442W
TD	8000.00	-865.00	-1180.00	580759.82	2516665.98	39°54'47.612N	109°39'28.442W

**CASING DETAILS**

No.	TVD	MD	Name	Size
1	505.00	505.00	13 3/8" Surf Csg	13.375
2	2663.54	2868.00	9 5/8" Int Csg	9.625

**FIELD DETAILS**

Uintah County, Utah  
Natural Buttes Field  
USA

Geodetic System: US State Plane Coordinate System 1927  
Ellipsoid: NAD27 (Clarke 1866)  
Zone: Utah, Central Zone  
Magnetic Model: Igrf2000

System Datum: Mean Sea Level  
Local North: Grid North

**SITE DETAILS**

HCU #13-27F  
Hill Creek Unit  
Sec. 27, T10S, R20E

Site Centre Latitude: 39°54'55.919N  
Longitude: 109°39'13.072W

Ground Level: 5170.00  
Positional Uncertainty: 0.00  
Convergence: 1.18

**WELLPATH DETAILS**

Actual Surveys

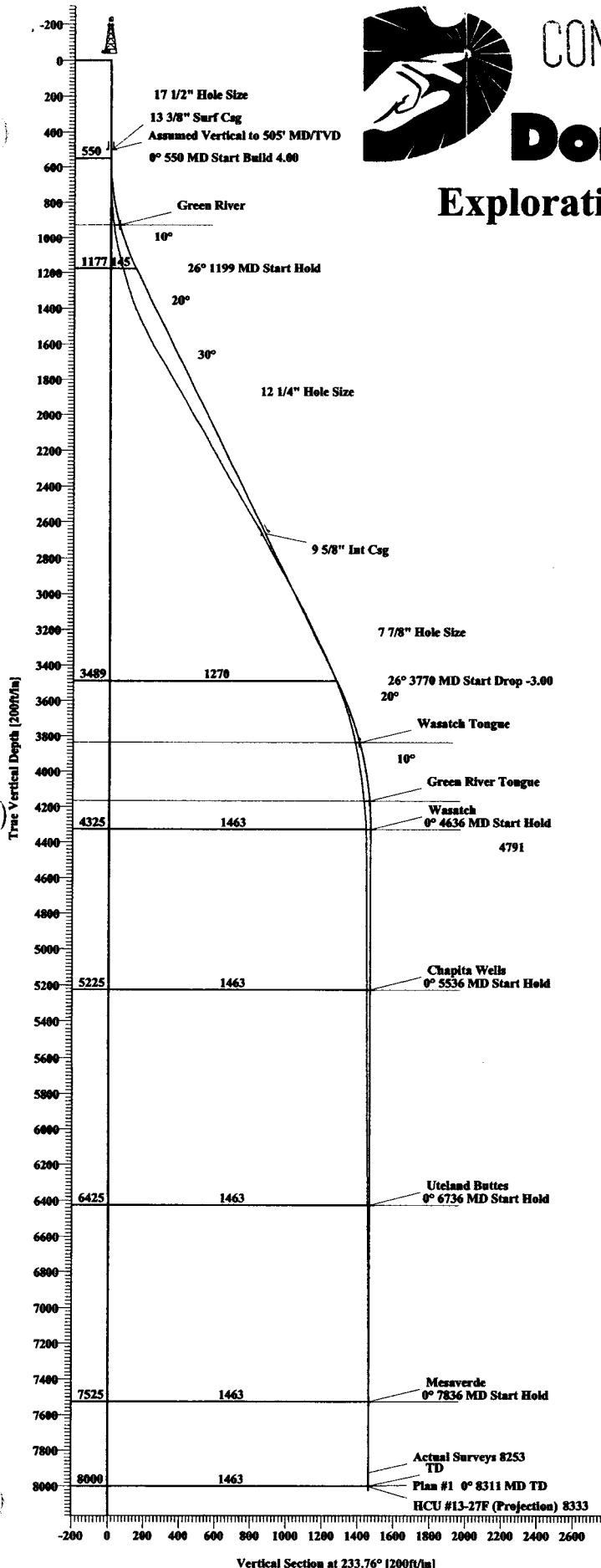
Rig: True Drilling Rig #26  
Ref. Datum: est. RKB 5186.00ft

V.Section	Orig'n	Orig'n	Starting
Angle	+N/-S	+E/-W	From TVD
233.76°	0.00	0.00	0.00

Plan: Plan #1 (HCU #13-27F/Actual Surveys)

Created By: Robbie Melancon

Date: 6/1/2004



Azimuths to Grid North  
True North: -1.18°  
Magnetic North: 11.11°

Magnetic Field  
Strength: 53127nT  
Dip Angle: 66.00°  
Date: 6/1/2004  
Model: Igrf2000

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# ***Traveling Cylinder***

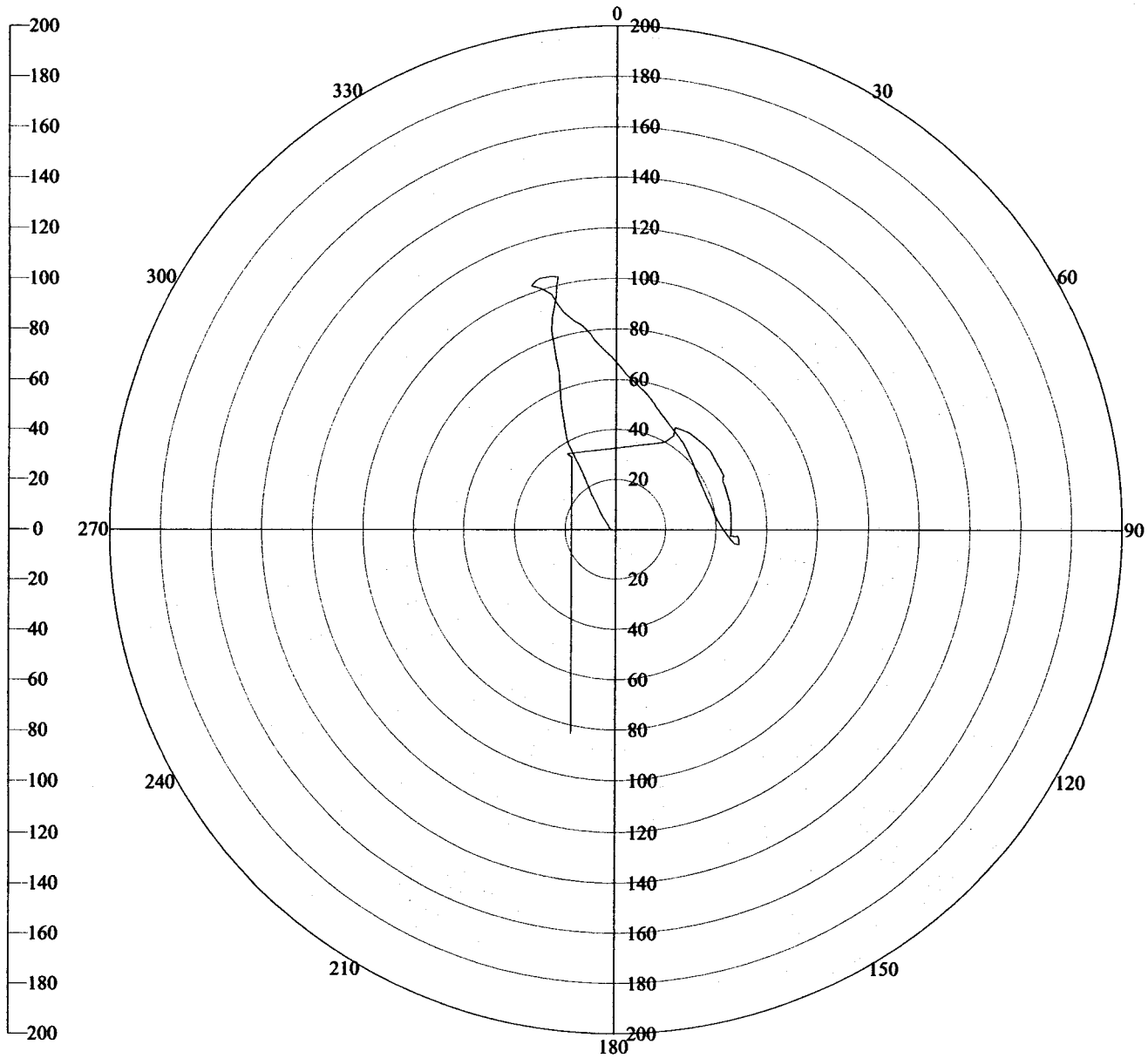
***HCU #13-27F***

***SECTION 27, T10S, R20E***

***Uintah County, Utah***

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Reference Toolface Angle [deg] vs Centre to Centre Separation [ft]

— HCU #13-27F (Plan 1) — Totco SS Survey #2

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# ***Survey Report - Standard***

***HCU #13-27F***

***SECTION 27, T10S, R20E***

***Uintah County, Utah***

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# Ryan Energy Survey Report

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<b>Company:</b> Dominion Exploration & Product	<b>Date:</b> 6/1/2004	<b>Time:</b> 16:25:25	<b>Page:</b> 1
<b>Field:</b> Uintah County, Utah	<b>Co-ordinate(NE) Reference:</b>	<b>Site:</b> HCU #13-27F, Grid North	
<b>Site:</b> HCU #13-27F	<b>Vertical (TVD) Reference:</b>	<b>est. RKB</b> 5186.0	
<b>Well:</b> HCU #13-27F	<b>Section (VS) Reference:</b>	<b>Well (0.00N,0.00E,233.76Azi)</b>	
<b>Wellpath:</b> OH	<b>Survey Calculation Method:</b>	<b>Minimum Curvature</b>	<b>Db:</b> Sybase

**Field:** Uintah County, Utah  
Natural Buttes Field  
USA

**Map System:** US State Plane Coordinate System 1927  
**Geo Datum:** NAD27 (Clarke 1866)  
**Sys Datum:** Mean Sea Level

**Map Zone:** Utah, Central Zone  
**Coordinate System:** Site Centre  
**Geomagnetic Model:** igrf2000

**Site:** HCU #13-27F  
Hill Creek Unit  
Sec. 27, T10S, R20E

<b>Site Position:</b>	<b>Northing:</b> 581624.02 ft	<b>Latitude:</b> 39 54 55.919 N
<b>From:</b> Geographic	<b>Easting:</b> 2517845.98 ft	<b>Longitude:</b> 109 39 13.072 W
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> Grid
<b>Ground Level:</b> 5170.00 ft		<b>Grid Convergence:</b> 1.18 deg

**Well:** HCU #13-27F

**Slot Name:**

<b>Well Position:</b> +N/-S 0.00 ft	<b>Northing:</b> 581624.02 ft	<b>Latitude:</b> 39 54 55.919 N
+E/-W 0.00 ft	<b>Easting:</b> 2517845.98 ft	<b>Longitude:</b> 109 39 13.072 W
<b>Position Uncertainty:</b> 0.00 ft		

**Wellpath:** OH

<b>Current Datum:</b> est. RKB	<b>Height</b> 5186.00 ft	<b>Drilled From:</b> Surface
<b>Magnetic Data:</b> 6/1/2004		<b>Tie-on Depth:</b> 0.00 ft
<b>Field Strength:</b> 53127 nT		<b>Above System Datum:</b> Mean Sea Level
<b>Vertical Section:</b> Depth From (TVD)	+N/-S ft	<b>Declination:</b> 12.29 deg
		<b>Mag Dip Angle:</b> 66.00 deg
		<b>+E/-W ft</b>
		<b>Direction deg</b>
0.00	0.00	0.00 233.76

## Survey Program for Definitive Wellpath

<b>Date:</b> 6/1/2004	<b>Validated:</b> No	<b>Version:</b> 0
<b>Actual From</b> ft	<b>To</b> ft	<b>Survey</b>
0.00	4791.00	Ryan MWD Survey #1
5223.00	8333.00	Totco SS Survey #2
		<b>Toolcode</b>
		<b>Tool Name</b>
		MWD
		Totco
		MWD
		Inclination Only

## Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
505.00	0.00	0.00	505.00	0.00	0.00	0.00	0.00	0.00	0.00	Assumed Vertical to 505'
536.00	0.30	61.30	536.00	0.04	0.07	-0.08	0.97	0.97	0.00	MWD
626.00	0.80	299.50	626.00	0.46	-0.27	-0.06	1.10	0.56	-135.33	MWD
714.00	2.10	263.50	713.97	0.58	-2.41	1.60	1.74	1.48	-40.91	MWD
804.00	4.40	254.60	803.82	-0.52	-7.37	6.26	2.61	2.56	-9.89	MWD
894.00	6.80	250.00	893.38	-3.26	-15.71	14.60	2.71	2.67	-5.11	MWD
984.00	9.50	248.40	982.47	-7.82	-27.62	26.90	3.01	3.00	-1.78	MWD
1076.00	12.50	243.30	1072.77	-15.09	-43.58	44.07	3.43	3.26	-5.54	MWD
1172.00	15.50	239.60	1165.91	-26.25	-63.93	67.08	3.26	3.12	-3.85	MWD
1268.00	16.90	238.80	1258.09	-39.97	-86.93	93.75	1.48	1.46	-0.83	MWD
1364.00	19.50	235.80	1349.28	-56.21	-112.13	123.66	2.88	2.71	-3.12	MWD
1459.00	24.20	234.60	1437.44	-76.41	-141.13	159.00	4.97	4.95	-1.26	MWD
1554.00	26.70	238.10	1523.21	-98.97	-175.13	199.76	3.07	2.63	3.68	MWD
1650.00	28.50	238.10	1608.29	-122.48	-212.88	244.10	1.87	1.87	0.00	MWD
1746.00	30.80	232.20	1691.73	-149.65	-251.76	291.53	3.87	2.40	-6.15	MWD
1842.00	30.40	230.10	1774.36	-180.30	-289.82	340.34	1.19	-0.42	-2.19	MWD
1938.00	28.50	227.40	1857.96	-211.39	-325.32	387.35	2.41	-1.98	-2.81	MWD
2033.00	30.20	227.20	1940.76	-242.96	-359.53	433.61	1.79	1.79	-0.21	MWD
2129.00	29.40	226.00	2024.07	-275.74	-394.20	480.95	1.04	-0.83	-1.25	MWD
2225.00	30.30	225.60	2107.33	-309.05	-428.45	528.27	0.96	0.94	-0.42	MWD
2321.00	29.30	224.50	2190.63	-342.75	-462.22	575.43	1.19	-1.04	-1.15	MWD

# Ryan Energy

## Survey Report

CONFIDENTIAL

Company: Dominion Exploration & Product  
Field: Uintah County, Utah  
Site: HCU #13-27F  
Well: HCU #13-27F  
Wellpath: OH

Date: 6/1/2004 Time: 16:25:25 Page: 2  
Co-ordinate(NE) Reference: Site: HCU #13-27F, Grid North  
Vertical (TVD) Reference: est. RKB 5186.0  
Section (VS) Reference: Well (0.00N,0.00E,233.76Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2417.00	29.70	226.40	2274.19	-375.91	-495.91	622.20	1.06	0.42	1.98	MWD
2512.00	30.40	226.50	2356.42	-408.68	-530.39	669.38	0.74	0.74	0.11	MWD
2608.00	30.20	225.90	2439.31	-442.21	-565.35	717.40	0.38	-0.21	-0.62	MWD
2704.00	30.80	228.80	2522.03	-475.20	-601.18	765.81	1.66	0.62	3.02	MWD
2792.00	30.20	230.30	2597.85	-504.18	-635.16	810.34	1.10	-0.68	1.70	MWD
2877.00	28.90	229.90	2671.79	-531.07	-667.32	852.18	1.55	-1.53	-0.47	MWD
2972.00	29.00	231.20	2754.92	-560.28	-702.83	898.09	0.67	0.11	1.37	MWD
3068.00	29.00	229.60	2838.89	-589.95	-738.69	944.55	0.81	0.00	-1.67	MWD
3163.00	29.20	228.90	2921.90	-620.11	-773.69	990.60	0.42	0.21	-0.74	MWD
3259.00	28.90	230.20	3005.82	-650.35	-809.16	1037.09	0.73	-0.31	1.35	MWD
3355.00	26.40	232.30	3090.85	-678.25	-843.87	1081.59	2.79	-2.60	2.19	MWD
3450.00	26.20	232.60	3176.02	-703.91	-877.24	1123.67	0.25	-0.21	0.32	MWD
3546.00	25.90	237.10	3262.27	-728.17	-911.69	1165.79	2.08	-0.31	4.69	MWD
3642.00	25.10	236.20	3348.92	-750.89	-946.21	1207.07	0.93	-0.83	-0.94	MWD
3738.00	23.00	232.70	3436.59	-773.58	-978.06	1246.17	2.64	-2.19	-3.65	MWD
3834.00	21.60	233.80	3525.41	-795.39	-1007.24	1282.59	1.52	-1.46	1.15	MWD
3930.00	18.80	235.40	3615.49	-814.61	-1034.23	1315.73	2.97	-2.92	1.67	MWD
4025.00	15.30	238.80	3706.31	-829.80	-1057.56	1343.53	3.83	-3.68	3.58	MWD
4121.00	12.90	233.60	3799.41	-842.72	-1077.03	1366.86	2.82	-2.50	-5.42	MWD
4217.00	10.90	245.00	3893.36	-852.92	-1093.88	1386.49	3.21	-2.08	11.87	MWD
4312.00	8.60	249.00	3986.98	-859.26	-1108.65	1402.15	2.52	-2.42	4.21	MWD
4408.00	7.20	250.30	4082.07	-863.86	-1121.02	1414.84	1.47	-1.46	1.35	MWD
4504.00	6.50	246.90	4177.38	-868.02	-1131.68	1425.90	0.84	-0.73	-3.54	MWD
4599.00	4.40	250.90	4271.95	-871.32	-1140.07	1434.62	2.25	-2.21	4.21	MWD
4695.00	1.60	312.90	4367.82	-871.62	-1144.54	1438.40	4.08	-2.92	64.58	MWD
4791.00	1.30	309.80	4463.79	-870.01	-1146.35	1438.91	0.32	-0.31	-3.23	MWD
5223.00	1.50	309.80	4895.66	-863.25	-1154.46	1441.46	0.05	0.05	0.00	Totco
6276.00	2.00	309.80	5948.17	-842.67	-1179.17	1449.22	0.05	0.05	0.00	Totco
7223.00	1.75	309.80	6894.66	-822.83	-1202.97	1456.69	0.03	-0.03	0.00	Totco
8253.00	2.00	309.80	7924.11	-801.26	-1228.87	1464.82	0.02	0.02	0.00	Totco
8333.00	2.00	309.80	8004.06	-799.48	-1231.01	1465.49	0.00	0.00	0.00	Projection to TD

### Annotation

MD ft	TVD ft	
505.00	505.00	Assumed Vertical to 505' MD/TVD
8333.00	8004.06	Projection to TD

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# ***Survey Report-Geographic***

***HCU #13-27F***

***SECTION 27, T10S, R20E***

***Uintah County, Utah***

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# Ryan Energy

## Survey Report - Geographic

CONFIDENTIAL

<b>Company:</b> Dominion Exploration & Product <b>Field:</b> Uintah County, Utah <b>Site:</b> HCU #13-27F <b>Well:</b> HCU #13-27F <b>Wellpath:</b> OH	<b>Date:</b> 6/1/2004 <b>Co-ordinate(NE) Reference:</b> Site: HCU #13-27F, Grid North <b>Vertical (TVD) Reference:</b> est. RKB 5186.0 <b>Section (VS) Reference:</b> Well (0.00N 0.00E, 233.76Azi) <b>Survey Calculation Method:</b> Minimum Curvature	<b>Time:</b> 16:28:58 <b>Page:</b> 1 <b>Db:</b> Sybase
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<b>Field:</b> Uintah County, Utah Natural Buttes Field USA <b>Map System:</b> US State Plane Coordinate System 1927 <b>Geo Datum:</b> NAD27 (Clarke 1866) <b>Sys Datum:</b> Mean Sea Level	<b>Map Zone:</b> Utah, Central Zone <b>Coordinate System:</b> Site Centre <b>Geomagnetic Model:</b> igrf2000
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<b>Site:</b> HCU #13-27F Hill Creek Unit Sec. 27, T10S, R20E	<b>Site Position:</b> <b>From:</b> Geographic <b>Position Uncertainty:</b> 0.00 ft <b>Ground Level:</b> 5170.00 ft	<b>Northing:</b> 581624.02 ft <b>Easting:</b> 2517845.98 ft	<b>Latitude:</b> 39 54 55.919 N <b>Longitude:</b> 109 39 13.072 W <b>North Reference:</b> Grid <b>Grid Convergence:</b> 1.18 deg
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<b>Well:</b> HCU #13-27F	<b>Well Position:</b> +N/-S 0.00 ft +E/-W 0.00 ft <b>Position Uncertainty:</b> 0.00 ft	<b>Slot Name:</b> <b>Northing:</b> 581624.02 ft <b>Easting:</b> 2517845.98 ft	<b>Latitude:</b> 39 54 55.919 N <b>Longitude:</b> 109 39 13.072 W
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<b>Wellpath:</b> OH <b>Current Datum:</b> est. RKB <b>Magnetic Data:</b> 6/1/2004 <b>Field Strength:</b> 53127 nT <b>Vertical Section:</b> Depth From (TVD) ft	<b>Height</b> 5186.00 ft +N/-S ft 0.00	<b>Drilled From:</b> Surface <b>Tie-on Depth:</b> 0.00 ft <b>Above System Datum:</b> Mean Sea Level <b>Declination:</b> 12.29 deg <b>Mag Dip Angle:</b> 66.00 deg +E/-W ft 0.00	<b>Direction</b> deg 233.76
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<b>Survey Program for Definitive Wellpath</b>			
<b>Date:</b> 6/1/2004 <b>Actual From</b> ft 0.00 5223.00	<b>To</b> ft 4791.00 8333.00	<b>Validated:</b> No <b>Survey</b> Ryan MWD Survey #1 Totco SS Survey #2	<b>Version:</b> 0 <b>Toolcode</b> MWD Totco
			<b>Tool Name</b> MWD Inclination Only

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec		← Longitude → Deg Min Sec	
0.00	0.00	0.00	0.00	0.00	0.00	581624.02	2517845.98	39 54	55.919 N	109 39	13.072 W
505.00	0.00	0.00	505.00	0.00	0.00	581624.02	2517845.98	39 54	55.919 N	109 39	13.072 W
536.00	0.30	61.30	536.00	0.04	0.07	581624.06	2517846.05	39 54	55.919 N	109 39	13.071 W
626.00	0.80	299.50	626.00	0.46	-0.27	581624.48	2517845.71	39 54	55.924 N	109 39	13.075 W
714.00	2.10	263.50	713.97	0.58	-2.41	581624.60	2517843.58	39 54	55.925 N	109 39	13.103 W
804.00	4.40	254.60	803.82	-0.52	-7.37	581623.50	2517838.61	39 54	55.915 N	109 39	13.167 W
894.00	6.80	250.00	893.38	-3.26	-15.71	581620.76	2517830.27	39 54	55.890 N	109 39	13.274 W
984.00	9.50	248.40	982.47	-7.82	-27.62	581616.20	2517818.36	39 54	55.847 N	109 39	13.429 W
1076.00	12.50	243.30	1072.77	-15.09	-43.58	581608.93	2517802.40	39 54	55.779 N	109 39	13.635 W
1172.00	15.50	239.60	1165.91	-26.25	-63.93	581597.77	2517782.05	39 54	55.673 N	109 39	13.899 W
1268.00	16.90	238.80	1258.09	-39.97	-86.93	581584.05	2517759.05	39 54	55.542 N	109 39	14.198 W
1364.00	19.50	235.80	1349.28	-56.21	-112.13	581567.81	2517733.86	39 54	55.386 N	109 39	14.526 W
1459.00	24.20	234.60	1437.44	-76.41	-141.13	581547.61	2517704.85	39 54	55.193 N	109 39	14.903 W
1554.00	26.70	238.10	1523.21	-98.97	-175.13	581525.04	2517670.86	39 54	54.977 N	109 39	15.345 W
1650.00	28.50	238.10	1608.29	-122.48	-212.88	581501.54	2517633.10	39 54	54.752 N	109 39	15.836 W
1746.00	30.80	232.20	1691.73	-149.65	-251.76	581474.36	2517594.22	39 54	54.491 N	109 39	16.342 W
1842.00	30.40	230.10	1774.36	-180.30	-289.82	581443.72	2517556.16	39 54	54.196 N	109 39	16.839 W
1938.00	28.50	227.40	1857.96	-211.39	-325.32	581412.63	2517520.67	39 54	53.896 N	109 39	17.302 W
2033.00	30.20	227.20	1940.76	-242.96	-359.53	581381.05	2517486.45	39 54	53.591 N	109 39	17.750 W
2129.00	29.40	226.00	2024.07	-275.74	-394.20	581348.28	2517451.78	39 54	53.275 N	109 39	18.203 W
2225.00	30.30	225.60	2107.33	-309.05	-428.45	581314.96	2517417.53	39 54	52.952 N	109 39	18.652 W



# Ryan Energy

## Survey Report - Geographic

CONFIDENTIAL

Company: Dominion Exploration & Product  
Field: Uintah County, Utah  
Site: HCU #13-27F  
Well: HCU #13-27F  
Wellpath: OH

Date: 6/1/2004 Time: 16:28:58 Page: 2  
Co-ordinate(N/E) Reference: Site: HCU #13-27F, Grid North  
Vertical (TVD) Reference: est. RKB 5186.0  
Section (VS) Reference: Well (0.00N,0.00E,233.76Az)  
Survey Calculation Method: Minimum Curvature Db: Sybase

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec		← Longitude → Deg Min Sec	
2321.00	29.30	224.50	2190.63	-342.75	-462.22	581281.27	2517383.76	39 54	52.626 N	109 39	19.094 W
2417.00	29.70	226.40	2274.19	-375.91	-495.91	581248.11	2517350.07	39 54	52.306 N	109 39	19.535 W
2512.00	30.40	226.50	2356.42	-408.68	-530.39	581215.33	2517315.59	39 54	51.989 N	109 39	19.986 W
2608.00	30.20	225.90	2439.31	-442.21	-565.35	581181.81	2517280.64	39 54	51.665 N	109 39	20.444 W
2704.00	30.80	228.80	2522.03	-475.20	-601.18	581148.82	2517244.80	39 54	51.346 N	109 39	20.912 W
2792.00	30.20	230.30	2597.85	-504.18	-635.16	581119.84	2517210.82	39 54	51.066 N	109 39	21.356 W
2877.00	28.90	229.90	2671.79	-531.07	-667.32	581092.95	2517178.66	39 54	50.807 N	109 39	21.776 W
2972.00	29.00	231.20	2754.92	-560.28	-702.83	581063.73	2517143.15	39 54	50.526 N	109 39	22.239 W
3068.00	29.00	229.60	2838.89	-589.95	-738.69	581034.07	2517107.29	39 54	50.240 N	109 39	22.707 W
3163.00	29.20	228.90	2921.90	-620.11	-773.69	581003.91	2517072.29	39 54	49.949 N	109 39	23.164 W
3259.00	28.90	230.20	3005.82	-650.35	-809.16	580973.67	2517036.82	39 54	49.657 N	109 39	23.627 W
3355.00	26.40	232.30	3090.85	-678.25	-843.87	580945.76	2517002.11	39 54	49.389 N	109 39	24.080 W
3450.00	26.20	232.60	3176.02	-703.91	-877.24	580920.11	2516968.74	39 54	49.142 N	109 39	24.515 W
3546.00	25.90	237.10	3262.27	-728.17	-911.69	580895.85	2516934.30	39 54	48.909 N	109 39	24.963 W
3642.00	25.10	236.20	3348.92	-750.89	-946.21	580873.13	2516899.77	39 54	48.692 N	109 39	25.412 W
3738.00	23.00	232.70	3436.59	-773.58	-978.06	580850.43	2516867.93	39 54	48.474 N	109 39	25.827 W
3834.00	21.60	233.80	3525.41	-795.39	-1007.24	580828.63	2516838.75	39 54	48.265 N	109 39	26.207 W
3930.00	18.80	235.40	3615.49	-814.61	-1034.23	580809.41	2516811.75	39 54	48.080 N	109 39	26.559 W
4025.00	15.30	238.80	3706.31	-829.80	-1057.56	580794.22	2516788.42	39 54	47.935 N	109 39	26.862 W
4121.00	12.90	233.60	3799.41	-842.72	-1077.03	580781.30	2516768.96	39 54	47.811 N	109 39	27.115 W
4217.00	10.90	245.00	3893.36	-852.92	-1093.88	580771.10	2516752.10	39 54	47.714 N	109 39	27.334 W
4312.00	8.60	249.00	3986.98	-859.26	-1108.65	580764.76	2516737.33	39 54	47.654 N	109 39	27.526 W
4408.00	7.20	250.30	4082.07	-863.86	-1121.02	580760.15	2516724.96	39 54	47.611 N	109 39	27.685 W
4504.00	6.50	246.90	4177.38	-868.02	-1131.68	580755.99	2516714.30	39 54	47.572 N	109 39	27.823 W
4599.00	4.40	250.90	4271.95	-871.32	-1140.07	580752.69	2516705.91	39 54	47.541 N	109 39	27.932 W
4695.00	1.60	312.90	4367.82	-871.62	-1144.54	580752.40	2516701.45	39 54	47.539 N	109 39	27.989 W
4791.00	1.30	309.80	4463.79	-870.01	-1146.35	580754.01	2516699.63	39 54	47.556 N	109 39	28.012 W
5223.00	1.50	309.80	4895.66	-863.25	-1154.46	580760.77	2516691.52	39 54	47.624 N	109 39	28.114 W
6276.00	2.00	309.80	5948.17	-842.67	-1179.17	580781.35	2516666.81	39 54	47.832 N	109 39	28.426 W
7223.00	1.75	309.80	6894.66	-822.83	-1202.97	580801.18	2516643.01	39 54	48.033 N	109 39	28.726 W
8253.00	2.00	309.80	7924.11	-801.26	-1228.87	580822.76	2516617.12	39 54	48.252 N	109 39	29.053 W
8333.00	2.00	309.80	8004.06	-799.48	-1231.01	580824.54	2516614.97	39 54	48.270 N	109 39	29.080 W

### Annotation

MD ft	TVD ft	
505.00	505.00	Assumed Vertical to 505' MD/TVD
8333.00	8004.06	Projection to TD

CONFIDENTIAL



# ***Survey Report - Closure***

***HCU #13-27F***

***SECTION 27, T10S, R20E***

***Uintah County, Utah***

108 Banks Avenue • Lafayette, LA 70506 • Phone: (337) 264-1035  
18231 Ammi Trail • Houston, TX 77060 • Phone: (281) 443-1414  
530 – 8<sup>th</sup> Avenue S.W. • Calgary, Alberta, Canada T2P 3S8 • Phone: 403-269-5981  
Visit our website at [www.ryanenergy.com](http://www.ryanenergy.com)

# Ryan Energy

## Ryan Survey Report

CONFIDENTIAL

<b>Company:</b> Dominion Exploration & Product <b>Field:</b> Uintah County, Utah <b>Site:</b> HCU #13-27F <b>Well:</b> HCU #13-27F <b>Wellpath:</b> OH	<b>Date:</b> 6/1/2004 <b>Co-ordinate(NE) Reference:</b> Site: HCU #13-27F, Grid North <b>Vertical (TVD) Reference:</b> est. RKB 5186.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,233.76Azi) <b>Survey Calculation Method:</b> Minimum Curvature <b>Page:</b> 1 <b>Db:</b> Sybase
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<b>Field:</b> Uintah County, Utah Natural Buttes Field USA <b>Map System:</b> US State Plane Coordinate System 1927 <b>Geo Datum:</b> NAD27 (Clarke 1866) <b>Sys Datum:</b> Mean Sea Level	<b>Map Zone:</b> Utah, Central Zone <b>Coordinate System:</b> Site Centre <b>Geomagnetic Model:</b> igrf2000
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<b>Site:</b> HCU #13-27F Hill Creek Unit Sec. 27, T10S, R20E <b>Site Position:</b> <b>From:</b> Geographic <b>Position Uncertainty:</b> 0.00 ft <b>Ground Level:</b> 5170.00 ft	<b>Northing:</b> 581624.02 ft <b>Easting:</b> 2517845.98 ft <b>Latitude:</b> 39 54 55.919 N <b>Longitude:</b> 109 39 13.072 W <b>North Reference:</b> Grid <b>Grid Convergence:</b> 1.18 deg
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<b>Well:</b> HCU #13-27F <b>Well Position:</b> +N/-S 0.00 ft +E/-W 0.00 ft <b>Position Uncertainty:</b> 0.00 ft	<b>Slot Name:</b> <b>Northing:</b> 581624.02 ft <b>Easting:</b> 2517845.98 ft <b>Latitude:</b> 39 54 55.919 N <b>Longitude:</b> 109 39 13.072 W
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<b>Wellpath:</b> OH <b>Current Datum:</b> est. RKB <b>Magnetic Data:</b> 6/1/2004 <b>Field Strength:</b> 53127 nT <b>Vertical Section:</b> Depth From (TVD) ft	<b>Drilled From:</b> Surface <b>Tie-on Depth:</b> 0.00 ft <b>Above System Datum:</b> Mean Sea Level <b>Declination:</b> 12.29 deg <b>Mag Dip Angle:</b> 66.00 deg <b>+N/-S</b> ft <b>+E/-W</b> ft <b>Direction</b> deg 0.00 0.00 0.00 233.76
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<b>Survey Program for Definitive Wellpath</b>				
<b>Date:</b> 6/1/2004		<b>Validated:</b> No		<b>Version:</b> 0
<b>Actual From</b>	<b>To</b>	<b>Survey</b>	<b>Toolcode</b>	<b>Tool Name</b>
0.00	4791.00	Ryan MWD Survey #1	MWD	MWD
5223.00	8333.00	Totco SS Survey #2	Totco	Inclination Only

### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	ClSD ft	ClSA deg	DLS deg/100ft	Tool
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
505.00	0.00	0.00	505.00	0.00	0.00	0.00	0.00	0.00	0.00	Assumed Vertical to 505' M
536.00	0.30	61.30	536.00	0.04	0.07	-0.08	0.08	61.30	0.97	MWD
626.00	0.80	299.50	626.00	0.46	-0.27	-0.06	0.53	329.76	1.10	MWD
714.00	2.10	263.50	713.97	0.58	-2.41	1.60	2.48	283.59	1.74	MWD
804.00	4.40	254.60	803.82	-0.52	-7.37	6.26	7.39	265.95	2.61	MWD
894.00	6.80	250.00	893.38	-3.26	-15.71	14.60	16.04	258.27	2.71	MWD
984.00	9.50	248.40	982.47	-7.82	-27.62	26.90	28.71	254.20	3.01	MWD
1076.00	12.50	243.30	1072.77	-15.09	-43.58	44.07	46.12	250.90	3.43	MWD
1172.00	15.50	239.60	1165.91	-26.25	-63.93	67.08	69.11	247.68	3.26	MWD
1268.00	16.90	238.80	1258.09	-39.97	-86.93	93.75	95.68	245.31	1.48	MWD
1364.00	19.50	235.80	1349.28	-56.21	-112.13	123.66	125.43	243.38	2.88	MWD
1459.00	24.20	234.60	1437.44	-76.41	-141.13	159.00	160.49	241.57	4.97	MWD
1554.00	26.70	238.10	1523.21	-98.97	-175.13	199.76	201.16	240.53	3.07	MWD
1650.00	28.50	238.10	1608.29	-122.48	-212.88	244.10	245.60	240.09	1.87	MWD
1746.00	30.80	232.20	1691.73	-149.65	-251.76	291.53	292.88	239.27	3.87	MWD
1842.00	30.40	230.10	1774.36	-180.30	-289.82	340.34	341.32	238.11	1.19	MWD
1938.00	28.50	227.40	1857.96	-211.39	-325.32	387.35	387.96	236.98	2.41	MWD
2033.00	30.20	227.20	1940.76	-242.96	-359.53	433.61	433.93	235.95	1.79	MWD
2129.00	29.40	226.00	2024.07	-275.74	-394.20	480.95	481.07	235.03	1.04	MWD
2225.00	30.30	225.60	2107.33	-309.05	-428.45	528.27	528.29	234.20	0.96	MWD
2321.00	29.30	224.50	2190.63	-342.75	-462.22	575.43	575.44	233.44	1.19	MWD

# Ryan Energy

## Ryan Survey Report

CONFIDENTIAL

Company: Dominion Exploration & Product  
Field: Uintah County, Utah  
Site: HCU #13-27F  
Well: HCU #13-27F  
Wellpath: OH

Date: 6/1/2004 Time: 16:31:41 Page: 2  
Co-ordinate(NE) Reference: Site: HCU #13-27F, Grid North  
Vertical (TVD) Reference: est. RKB 5186.0  
Section (VS) Reference: Well (0.00N,0.00E,233.76Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

### Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	ClsD ft	ClsA deg	DLS deg/100ft	Tool
2417.00	29.70	226.40	2274.19	-375.91	-495.91	622.20	622.28	232.84	1.06	MWD
2512.00	30.40	226.50	2356.42	-408.68	-530.39	669.38	669.58	232.38	0.74	MWD
2608.00	30.20	225.90	2439.31	-442.21	-565.35	717.40	717.75	231.97	0.38	MWD
2704.00	30.80	228.80	2522.03	-475.20	-601.18	765.81	766.31	231.68	1.66	MWD
2792.00	30.20	230.30	2597.85	-504.18	-635.16	810.34	810.94	231.56	1.10	MWD
2877.00	28.90	229.90	2671.79	-531.07	-667.32	852.18	852.85	231.49	1.55	MWD
2972.00	29.00	231.20	2754.92	-560.28	-702.83	898.09	898.83	231.44	0.67	MWD
3068.00	29.00	229.60	2838.89	-589.95	-738.69	944.55	945.36	231.39	0.81	MWD
3163.00	29.20	228.90	2921.90	-620.11	-773.69	990.60	991.53	231.29	0.42	MWD
3259.00	28.90	230.20	3005.82	-650.35	-809.16	1037.09	1038.12	231.21	0.73	MWD
3355.00	26.40	232.30	3090.85	-678.25	-843.87	1081.59	1082.66	231.21	2.79	MWD
3450.00	26.20	232.60	3176.02	-703.91	-877.24	1123.67	1124.74	231.26	0.25	MWD
3546.00	25.90	237.10	3262.27	-728.17	-911.69	1165.79	1166.79	231.39	2.08	MWD
3642.00	25.10	236.20	3348.92	-750.89	-946.21	1207.07	1207.95	231.57	0.93	MWD
3738.00	23.00	232.70	3436.59	-773.58	-978.06	1246.17	1247.01	231.66	2.64	MWD
3834.00	21.60	233.80	3525.41	-795.39	-1007.24	1282.59	1283.42	231.70	1.52	MWD
3930.00	18.80	235.40	3615.49	-814.61	-1034.23	1315.73	1316.52	231.77	2.97	MWD
4025.00	15.30	238.80	3706.31	-829.80	-1057.56	1343.53	1344.25	231.88	3.83	MWD
4121.00	12.90	233.60	3799.41	-842.72	-1077.03	1366.86	1367.54	231.96	2.82	MWD
4217.00	10.90	245.00	3893.36	-852.92	-1093.88	1386.49	1387.10	232.06	3.21	MWD
4312.00	8.60	249.00	3986.98	-859.26	-1108.65	1402.15	1402.66	232.22	2.52	MWD
4408.00	7.20	250.30	4082.07	-863.86	-1121.02	1414.84	1415.25	232.38	1.47	MWD
4504.00	6.50	246.90	4177.38	-868.02	-1131.68	1425.90	1426.24	232.51	0.84	MWD
4599.00	4.40	250.90	4271.95	-871.32	-1140.07	1434.62	1434.91	232.61	2.25	MWD
4695.00	1.60	312.90	4367.82	-871.62	-1144.54	1438.40	1438.64	232.71	4.08	MWD
4791.00	1.30	309.80	4463.79	-870.01	-1146.35	1438.91	1439.11	232.80	0.32	MWD
5223.00	1.50	309.80	4895.66	-863.25	-1154.46	1441.46	1441.52	233.21	0.05	Totco
6276.00	2.00	309.80	5948.17	-842.67	-1179.17	1449.22	1449.32	234.45	0.05	Totco
7223.00	1.75	309.80	6894.66	-822.83	-1202.97	1456.69	1457.46	235.63	0.03	Totco
8253.00	2.00	309.80	7924.11	-801.26	-1228.87	1464.82	1467.01	236.89	0.02	Totco
8333.00	2.00	309.80	8004.06	-799.48	-1231.01	1465.49	1467.84	237.00	0.00	Projection to TD

### Annotation

MD ft	TVD ft	
505.00	505.00	Assumed Vertical to 505' MD/TVD
8333.00	8004.06	Projection to TD

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ

2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**7/1/2007**

**FROM: (Old Operator):**

N1095-Dominion Exploration & Production, Inc  
 14000 Quail Springs Parkway, Suite 600  
 Oklahoma City, OK 73134

Phone: 1 (405) 749-1300

**TO: ( New Operator):**

N2615-XTO Energy Inc  
 810 Houston St  
 Fort Worth, TX 76102

Phone: 1 (817) 870-2800

**CA No.**

**Unit:**

**HILL CREEK**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/6/2007
- a. Is the new operator registered in the State of Utah: \_\_\_\_\_ Business Number: 5655506-0143
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: \_\_\_\_\_
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: \_\_\_\_\_
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 9/27/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/27/2007
- Bond information entered in RBDMS on: 9/27/2007
- Fee/State wells attached to bond in RBDMS on: 9/27/2007
- Injection Projects to new operator in RBDMS on: 9/27/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: 9/27/2007

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB000138
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762
- b. The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008

The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: XTO Energy Inc. <i>N2615</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 810 Houston Street CITY Fort Worth STATE TX ZIP 76102		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED		8. WELL NAME and NUMBER: SEE ATTACHED
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: SEE ATTACHED
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Natural Buttes
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

Dominion Exploration & Production, Inc.  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

*N1095*

*James D. Abercrombie*  
James D. Abercrombie  
Sr. Vice President, General Manager - Western Business Unit  
*(405) 749-1300*

Please be advised that XTO Energy Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond #104312750 and Department of Natural Resources Bond #104312762.

NAME (PLEASE PRINT) <u>Edwin S. Ryan, Jr.</u>	TITLE <u>Sr. Vice President - Land Administration</u>
SIGNATURE <i>Edwin S. Ryan, Jr.</i>	DATE <u>7/31/2007</u>

(This space for State use only)

APPROVED *9127107*

*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

AUG 06 2007

DIV. OF OIL, GAS & MINING

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

api	well_name	qtr_qtr	sec	tpw	rng	lease_num	entity	Lease	well	stat
4304731522	FEDERAL 1-29	SWNW	29	100S	200E	U-28203	12829	Federal	GW	P
4304731601	HILLCREEK FED 1-30	NWSW	30	100S	200E	U-30693	12829	Federal	GW	P
4304731675	HILL CREEK FED 1-27	SEnw	27	100S	200E	U-29784	12829	Federal	GW	P
4304733671	HCU 1-28F	NENE	28	100S	200E	14-20-H62-4783	12829	Indian	GW	S
4304733672	HCU 1-29F	NENE	29	100S	200E	U-28203	12829	Federal	GW	P
4304733673	HCU 2-30F	NWNE	30	100S	200E	UTU-29784	12829	Federal	GW	P
4304733688	HCU 3-28F	NENW	28	100S	200E	U-28203	12829	Federal	GW	P
4304733689	HCU 3-29F	NENW	29	100S	200E	U-28203	12829	Federal	GW	P
4304733713	HCU 3-30F	NWNW	30	100S	200E	UTU-30693	12829	Federal	GW	P
4304733835	HCU 5-30F	SWNW	30	100S	200E	U-30693	12829	Federal	GW	P
4304733836	HCU 6-30F	SEnw	30	100S	200E	U-30693	12829	Federal	GW	P
4304733964	HCU 8-30F	SENE	30	100S	200E	UTU-29784	12829	Federal	GW	P
4304733965	HCU 11-30F	NESW	30	100S	200E	U-30693	12829	Federal	GW	P
4304733966	HCU 13-30F	SWSW	30	100S	200E	U-30693	12829	Federal	GW	P
4304734045	HCU 5-28F	SWNW	28	100S	200E	U-28203	12829	Federal	GW	P
4304734046	HCU 7-29F	SWNE	29	100S	200E	U-28203	12829	Federal	GW	P
4304734223	HCU 9-29F	NESE	29	100S	200E	U-28203	12829	Federal	GW	P
4304734298	HCU 3-31F	NWNW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734299	HCU 5-31F	SWNW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734300	HCU 7-31F	SEnw	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734316	HCU 2-27F	NWNE	27	100S	200E	UTU-79130	12829	Federal	GW	P
4304734351	HCU 8-27F	SENE	27	100S	200E	UTU-79130	12829	Federal	GW	P
4304734352	HCU 11-31F	NWSW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734353	HCU 13-31F	SWSW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734853	HCU 1-33F	NENE	33	100S	200E	14-20-H62-4782	12829	Indian	GW	P
4304734854	HCU 3-34F	NENW	34	100S	200E	U-28203	12829	Federal	GW	P
4304734913	HCU 1-27F	NENE	27	100S	200E	U-79130	12829	Federal	GW	P
4304734914	HCU 3-27F	NENW	27	100S	200E	U-79130	12829	Federal	GW	P
4304734915	HCU 7-27F	SWNE	27	100S	200E	U-79130	12829	Federal	GW	S
4304734916	HCU 10-27F	NWSE	27	100S	200E	U-79130	12829	Federal	GW	P
4304734917	HCU 14-30F	SWSW	30	100S	200E	U-30693	12829	Federal	GW	P
4304734918	HCU 15-30F	SWSE	30	100S	200E	U-29784	12829	Federal	GW	P
4304734919	HCU 2-31F	NWNE	31	100S	200E	U-30693	12829	Federal	GW	P
4304734920	HCU 6-31F	SWNW	31	100S	200E	U-30693	12829	Federal	GW	P
4304734921	HCU 4-31F	NWNW	31	100S	200E	U-30693	12829	Federal	GW	P
4304735130	HCU 11-27F	NESW	27	100S	200E	U-29784	12829	Federal	GW	P
4304735131	HCU 2-29F	NWNE	29	100S	200E	U-28203	12829	Federal	GW	P
4304735132	HCU 9-30F	NESE	30	100S	200E	U-29784	12829	Federal	GW	P
4304735133	HCU 10-30F	NWSE	30	100S	200E	U-29784	12829	Federal	GW	P
4304735134	HCU 1-31F	NENE	31	100S	200E	U-36903	12829	Federal	GW	P
4304735135	HCU 12-31F	NWSW	31	100S	200E	U-30693	12829	Federal	GW	P
4304735137	HCU 2-33F	NENE	33	100S	200E	U-28203	12829	Federal	GW	P
4304735139	HCU 5-34F	NENW	34	100S	200E	U-28203	12829	Federal	GW	P
4304735154	HCU 13-27F	NESW	27	100S	200E	U-29784	12829	Federal	GW	P
4304735230	HCU 8-33F	SENE	33	100S	200E	14-20-H62-4782	12829	Indian	GW	P
4304735307	HCU 6-29F	SEnw	29	100S	200E	U-28203	12829	Federal	GW	P
4304735470	HCU 11-29F	NESW	29	100S	200E	U-28203	12829	Federal	GW	P
4304735471	HCU 10-29F	NWSE	29	100S	200E	U-28203	12829	Federal	GW	P

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

api	well_name	qtr_qtr	sec	tpw	rng	lease_num	entity	Lease	well	stat
4304735507	HCU 12-29FA	NESW	29	100S	200E	U-28203	12829	Federal	GW	DRL
4304735724	HCU 16-27F	SESE	27	100S	200E	U-79130	12829	Federal	GW	P
4304735725	HCU 9-27F	NESE	27	100S	200E	U-79130	12829	Federal	GW	P
4304735726	HCU 15-27F	SWSE	27	100S	200E	U-79130	12829	Federal	GW	P
4304735727	HCU 9-34F	NESE	34	100S	200E	U-79130	12829	Federal	GW	P
4304735728	HCU 7-34F	SWNE	34	100S	200E	U-79130	12829	Federal	GW	P
4304735832	HCU 9-33F	NESE	33	100S	200E	U-28203	12829	Federal	GW	P
4304735833	HCU 16-33F	SESE	33	100S	200E	U-28203	12829	Federal	GW	P
4304735835	HCU 11-34F	NESW	34	100S	200E	U-28203	12829	Federal	GW	P
4304735836	HCU 12-34F	NWSW	34	100S	200E	U-28203	12829	Federal	GW	P
4304735837	HCU 13-34F	SWSW	34	100S	200E	U-28203	12829	Federal	GW	P
4304735838	HCU 15-34F	SWSE	34	100S	200E	U-79130	12829	Federal	GW	P
4304735875	HCU 14-34F	SWSE	34	100S	200E	U-79130	12829	Federal	GW	P
4304735934	HCU 8-31F	SENE	31	100S	200E	U-30693	12829	Federal	GW	P
4304735935	HCU 10-31F	NWSE	31	100S	200E	U-30693	12829	Federal	GW	P
4304735936	HCU 9-31F	NWSE	31	100S	200E	U-30693	12829	Federal	GW	P
4304735939	HCU 16-28F	SESE	28	100S	200E	U-28203	12829	Federal	GW	P
4304735940	HCU 6-34F	SENE	34	100S	200E	U-28203	12829	Federal	GW	P
4304735996	HCU 16-34F	SESE	34	100S	200E	U-79130	12829	Federal	GW	P
4304736046	HCU 14-31F	SWSW	31	100S	200E	U-30693	12829	Federal	GW	P
4304736251	HCU 16-30F	NESE	30	100S	200E	U-29784	12829	Federal	GW	P
4304736319	HCU 10-28F	NWSE	28	100S	200E	U-28203	12829	Federal	GW	P
4304736320	HCU 13-28F	SWSW	28	100S	200E	U-28203	12829	Federal	GW	P
4304736321	HCU 14-28F	SESW	28	100S	200E	U-28203	12829	Federal	GW	P
4304736437	HCU 5-27F	SWNW	27	100S	200E	U-29784	12829	Federal	GW	DRL
4304736438	HCU 4-27F	SWNW	27	100S	200E	U-29784	12829	Federal	GW	DRL
4304736439	HCU 11-28F	NESW	28	100S	200E	U-28203	12829	Federal	GW	P
4304736440	HCU 5-30F2	SWNW	30	100S	200E	U-30693	12829	Federal	GW	DRL
4304736601	HCU 5-33F	SWNW	33	100S	200E	U-28203	12829	Federal	GW	P
4304736602	HCU 12-33F	NWSW	33	100S	200E	U-28203	12829	Federal	GW	P
4304736603	HCU 6-28F	SENE	28	100S	200E	U-28203	12829	Federal	GW	S
4304736604	HCU 12-28F	NWSW	28	100S	200E	U-28203	12829	Federal	GW	P
4304736685	HCU 13-33F	SWSW	33	100S	200E	U-28203	12829	Federal	GW	P
4304736846	HCU 9-28F	NESE	28	100S	200E	14-20-H62-4781	12829	Indian	GW	P
4304736847	HCU 8-28F	SENE	28	100S	200E	14-20-H62-4783	12829	Indian	GW	P
4304736848	HCU 7-28F	SWNE	28	100S	200E	U-28203	12829	Federal	GW	P
4304736849	HCU 1-34F	NENE	34	100S	200E	U-79130	12829	Federal	GW	P
4304736852	HCU 14-27F	NESW	27	100S	200E	U-29784	12829	Federal	GW	DRL
4304736853	HCU 16-29F	SESE	29	100S	200E	U-28203	12829	Federal	GW	P
4304737060	HCU 4-33F	NWNW	33	100S	200E	U-28203	12829	Federal	GW	P
4304737202	HCU 6-33F	SENE	33	100S	200E	U-28203	12829	Federal	GW	P
4304737203	HCU 3-33F	NWNE	33	100S	200E	U-28203	12829	Federal	OW	P
4304737204	HCU 15-28F	NWNE	33	100S	200E	14-20-H62-4781	12829	Indian	OW	P
4304737284	HCU 7-30F	SENE	30	100S	200E	U-29784	99999	Federal	OW	DRL
4304737340	HCU 5-29F	SWNW	29	100S	200E	U-28203	12829	Federal	GW	P
4304737360	HCU 11-33F	NWSW	33	100S	200E	U-28203	12829	Federal	GW	P
4304737424	HCU 12-27F	NESW	27	100S	200E	U-29784	12829	Federal	OW	DRL
4304737425	HCU 14-29F	SWSW	29	100S	200E	U-28203	12829	Federal	GW	P



N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304737426	HCU 13-29F	SWSW	29	100S	200E	U-28203	12829	Federal	GW	P
4304737427	HCU 8-29F	NESE	29	100S	200E	U-28203	12829	Federal	GW	P
4304737445	HCU 8-34F	SENE	34	100S	200E	U-79130	12829	Federal	OW	S
4304737446	HCU 2-34F	NWNE	34	100S	200E	U-79130	12829	Federal	OW	DRL
4304737447	HCU 7-33F	SENE	33	100S	200E	U-28203	12829	Federal	OW	DRL
4304737570	HCU 10-33F	NWSE	33	100S	200E	14-20-H62-4782	12829	Indian	GW	P
4304737749	HCU 4-28F	NENW	28	100S	200E	U-28203	99999	Federal	GW	DRL
4304737750	HCU 14-33F	SWSE	33	100S	200E	U-028203	12829	Federal	GW	DRL
4304731560	HILL CREEK ST 1-32	SENE	32	100S	200E	ML-22313	12829	State	GW	P
4304734852	HCU 4-32F	NWNW	32	100S	200E	ML-22313-2	12829	State	GW	P
4304735136	HCU 5-32F	SWNW	32	100S	200E	ML-22313-2	12829	State	GW	P
4304735870	HCU 13-32F	NESE	31	100S	200E	ML-22313-2		State	GW	LA
4304735871	HCU 12-32F	NESE	31	100S	200E	ML-22313-2		State	GW	LA
4304735872	HCU 14-32F	SESW	32	100S	200E	ML-22313-2	12829	State	GW	P
4304735873	HCU 3-32F	NENW	32	100S	200E	ML-22313-2	12829	State	GW	DRL
4304735874	HCU 11-32F	SENE	32	100S	200E	ML-22313-2	12829	State	D	PA
4304736322	HCU 16-32F	SESE	32	100S	200E	ML-22313-2	12829	State	GW	P
4304736323	HCU 9-32F	NESE	32	100S	200E	ML-22313-2	12829	State	GW	P
4304736324	HCU 8-32F	SENE	32	100S	200E	ML-22313-2	12829	State	GW	P
4304736441	HCU 1-32F2	NENE	32	100S	200E	ML-22313-2	12829	State	GW	P
4304736684	HCU 7-32F	SENE	32	100S	200E	ML-22313-2	12829	State	GW	P



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
3180  
UT-922

Dominion Exploration & Production, Inc.  
Attn: James D. Abercrombie  
14000 Quail Springs Parkway, #600  
Oklahoma City, OK 73134-2600

August 10, 2007

Re: Hill Creek Unit  
Uintah County, Utah

Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the Hill Creek Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Hill Creek Unit Agreement.

Your statewide oil and gas Bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

*/s/ Greg J. Noble*

Greg J. Noble  
Acting Chief, Branch of Fluid Minerals

Enclosure

**RECEIVED**

**AUG 16 2007**

DIV. OF OIL, GAS & MINING